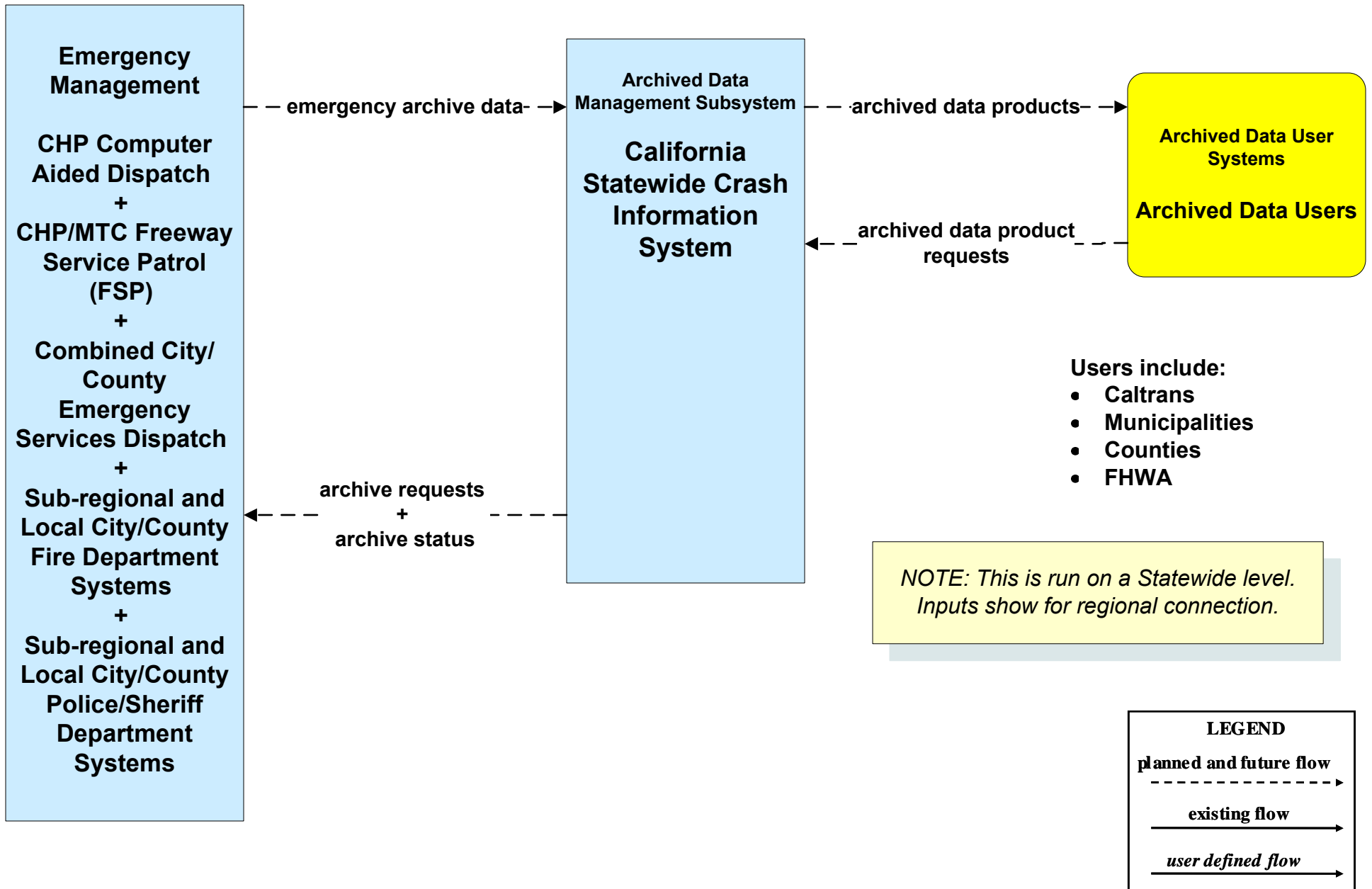
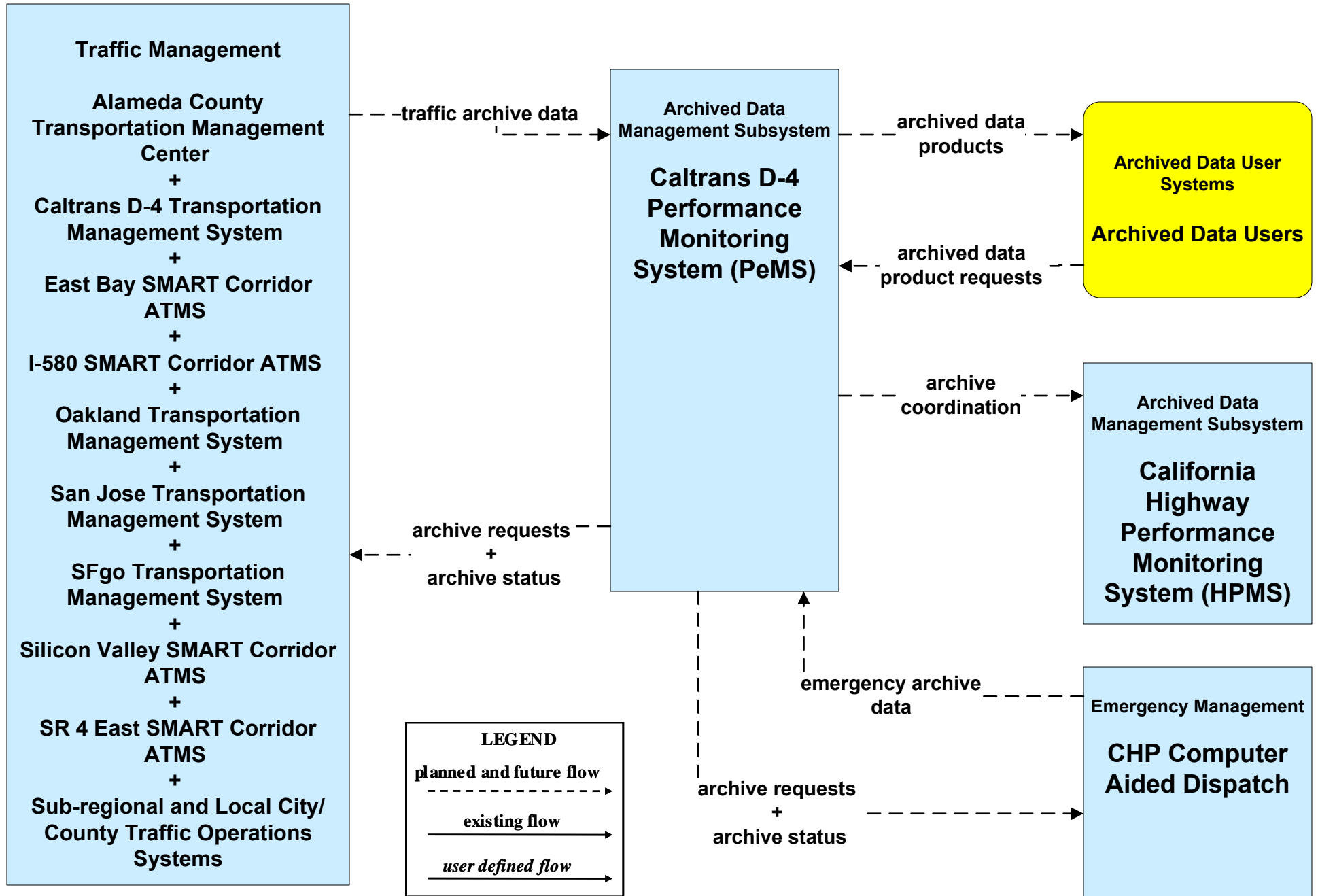


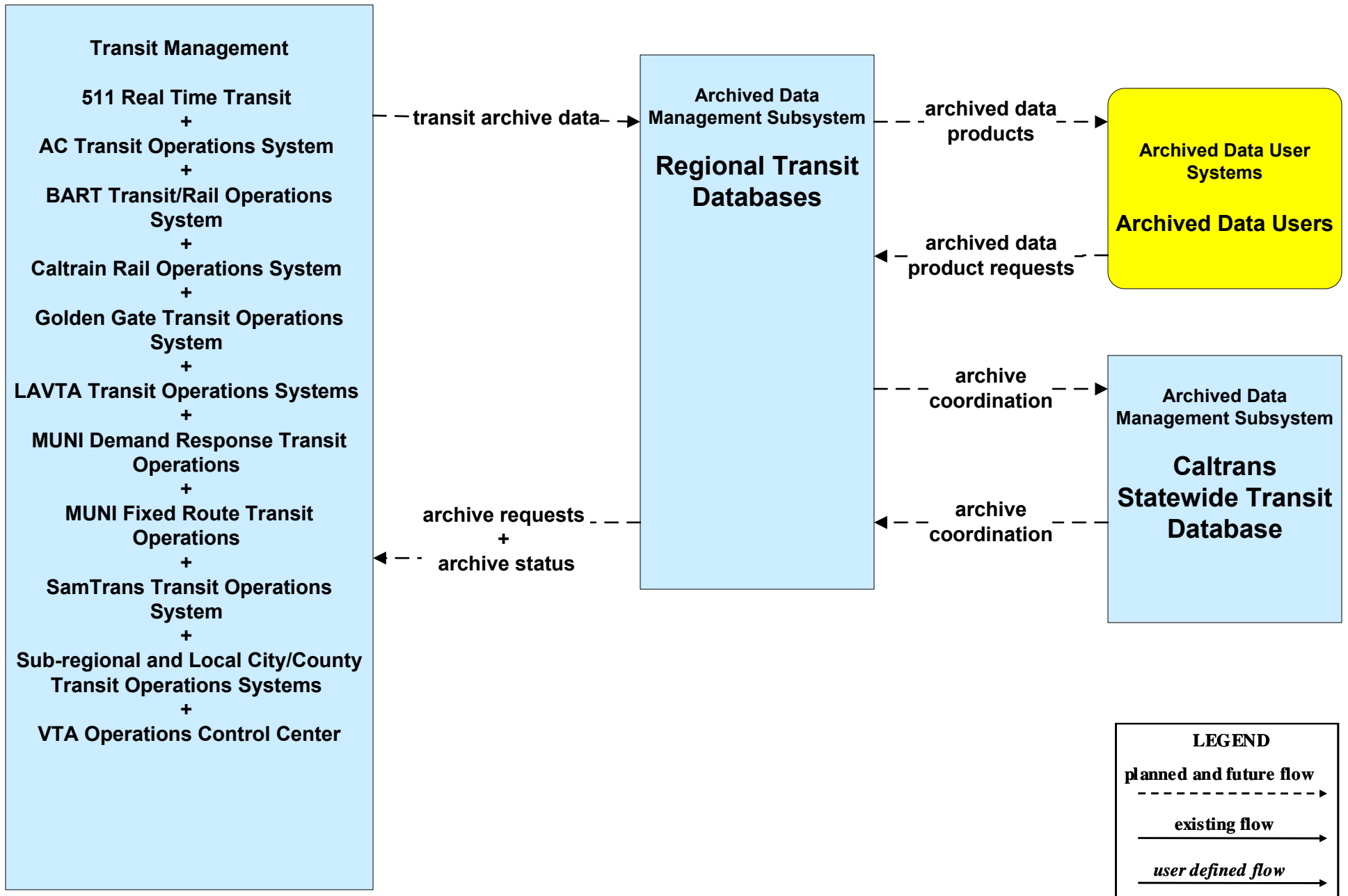
**AD1 - ITS Data Mart**  
**Caltrans Statewide Crash Information System**



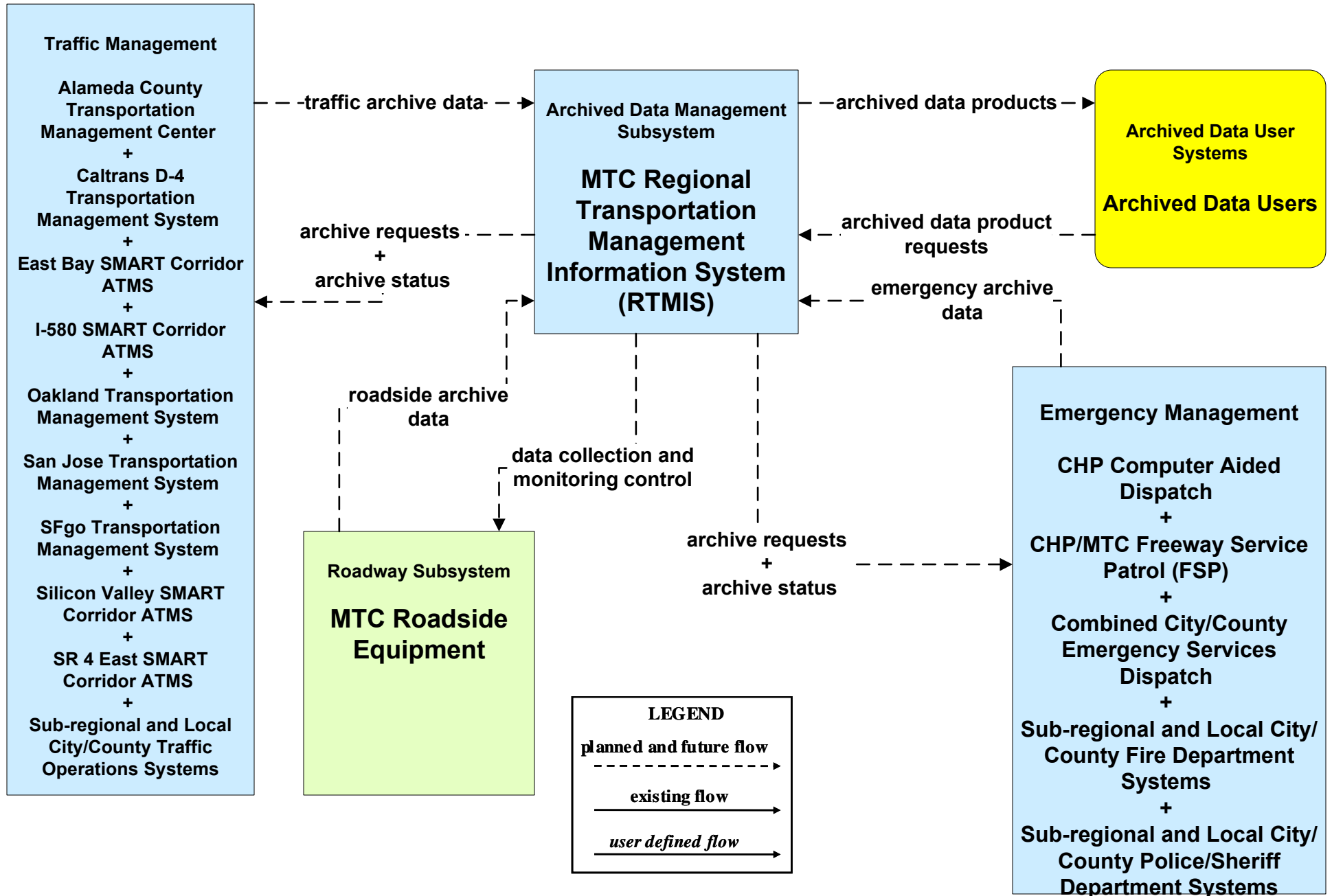
**AD1 - ITS Data Mart**  
**Caltrans Performance Monitoring System (PeMS)**



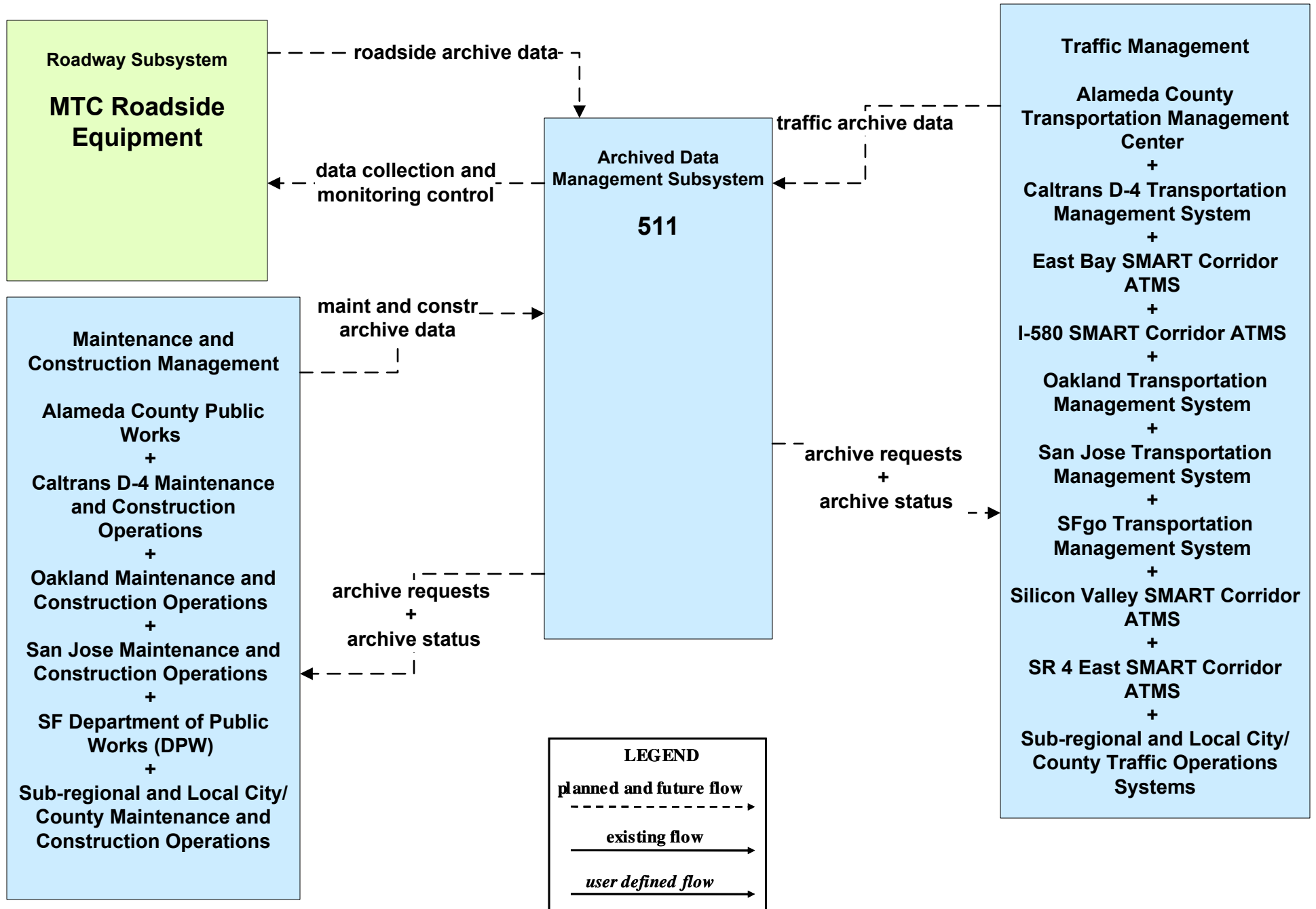
# AD1 - ITS Data Mart Caltrans Regional Transit Databases



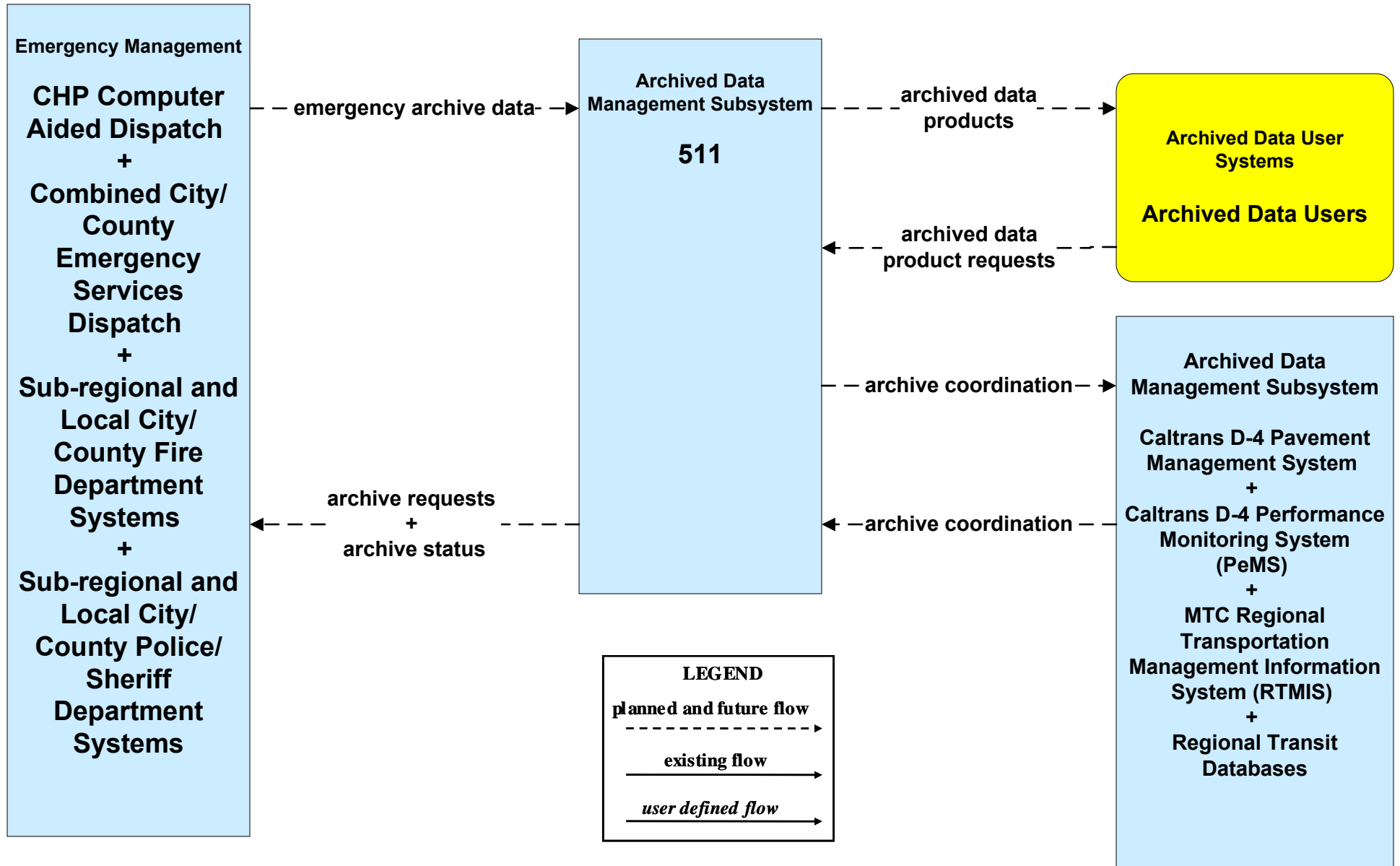
# AD1 - ITS Data Mart MTC RTMIS



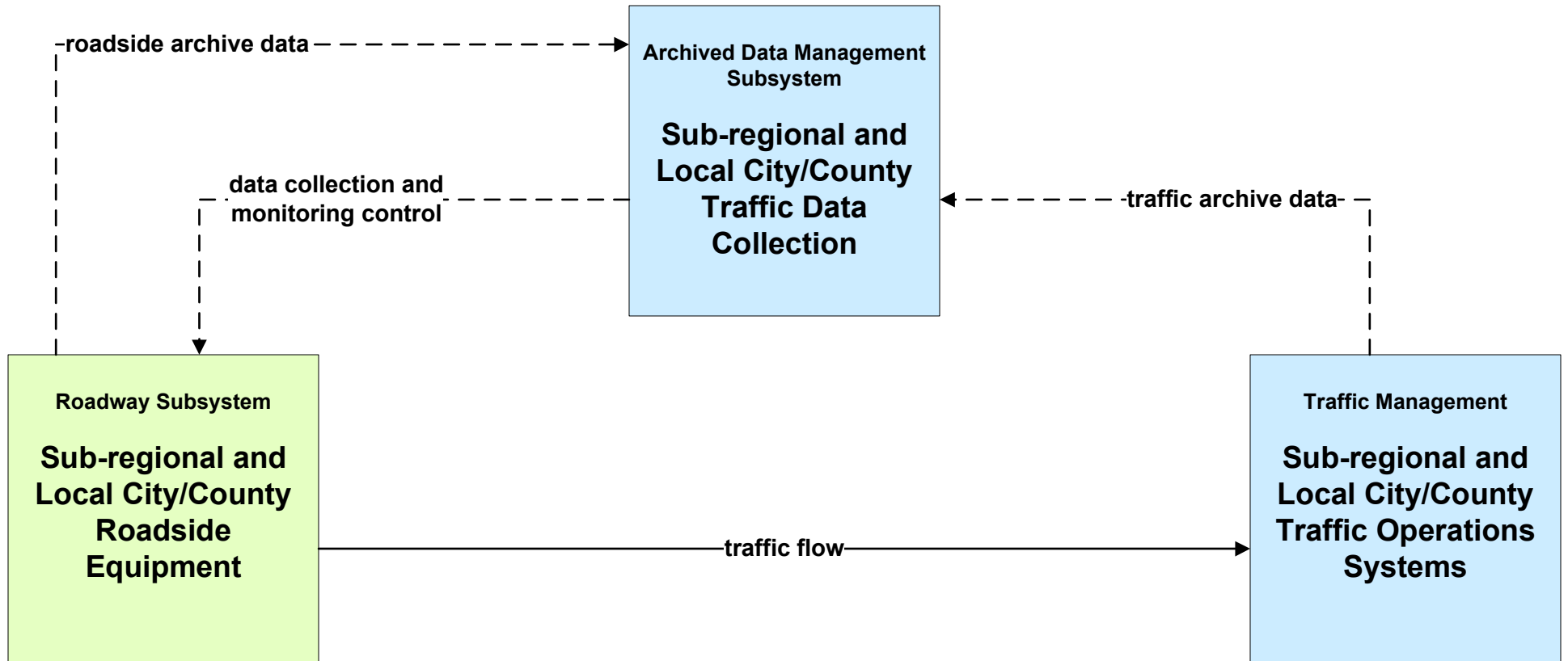
# AD1 - ITS Data Mart 511 (1 of 2)



**AD1 - ITS Data Mart  
511 (2 of 2)**

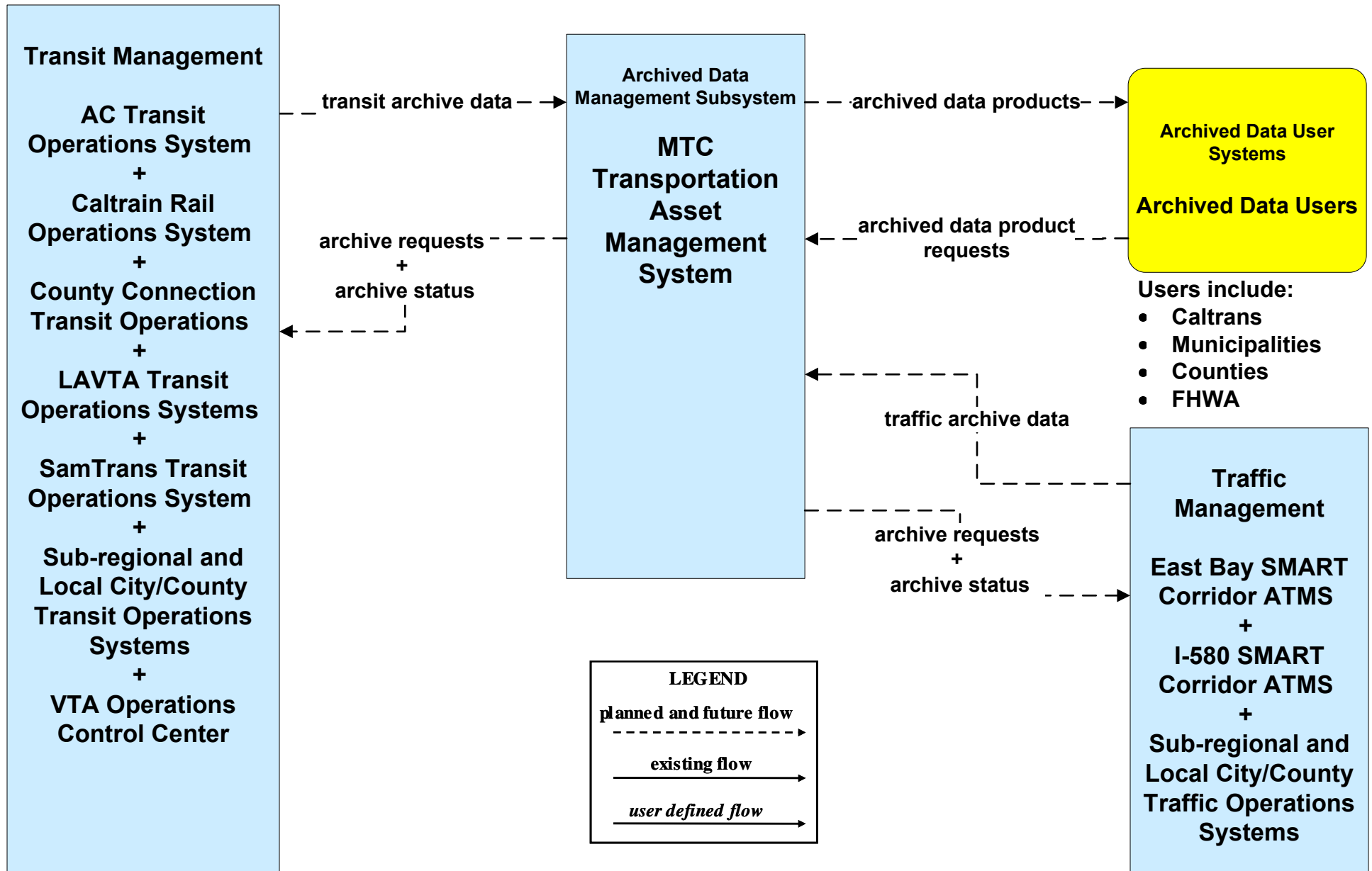


**AD1 - ITS Data Mart**  
**Local City/County Traffic Data Collection**



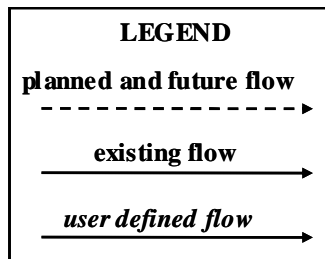
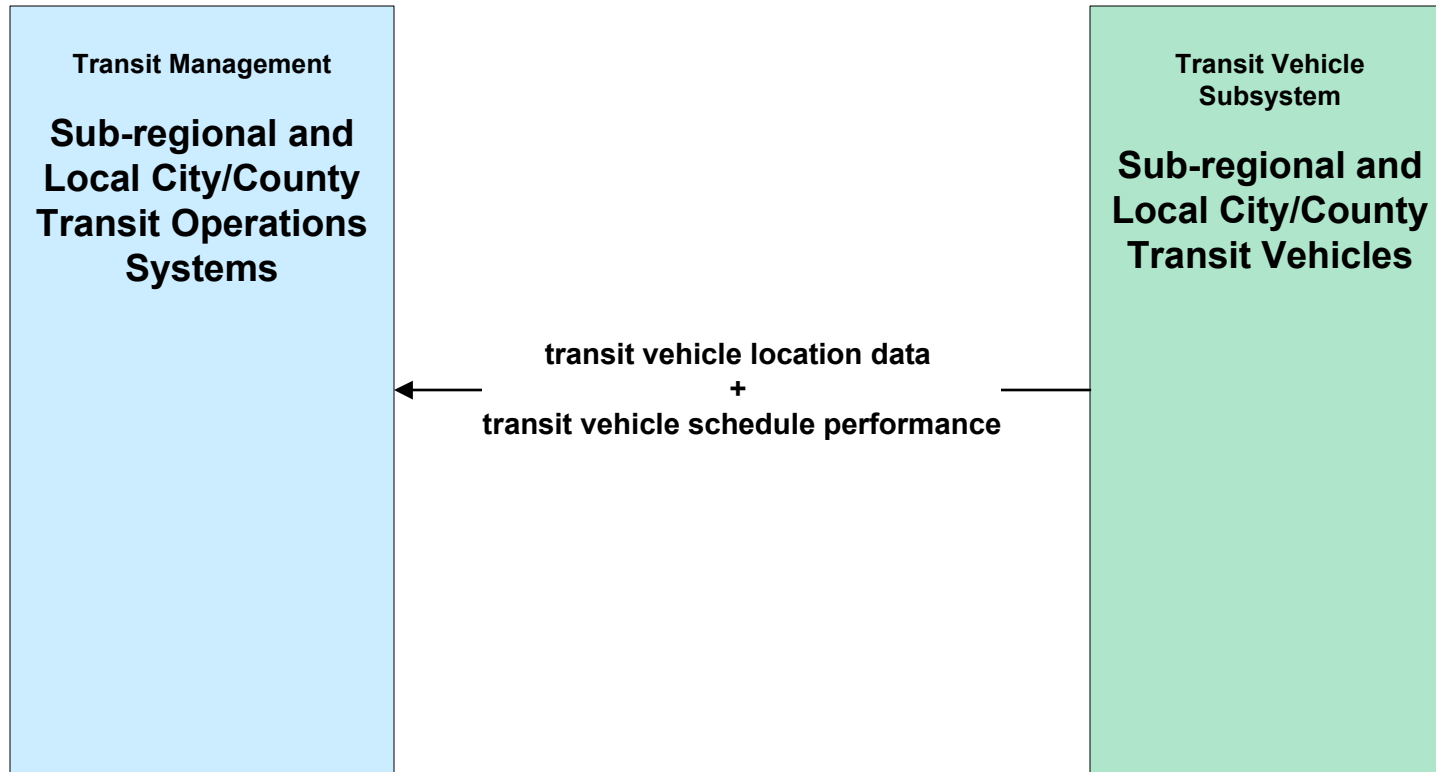
# AD1 - ITS Data Mart

## MTC Transportation Asset Management System

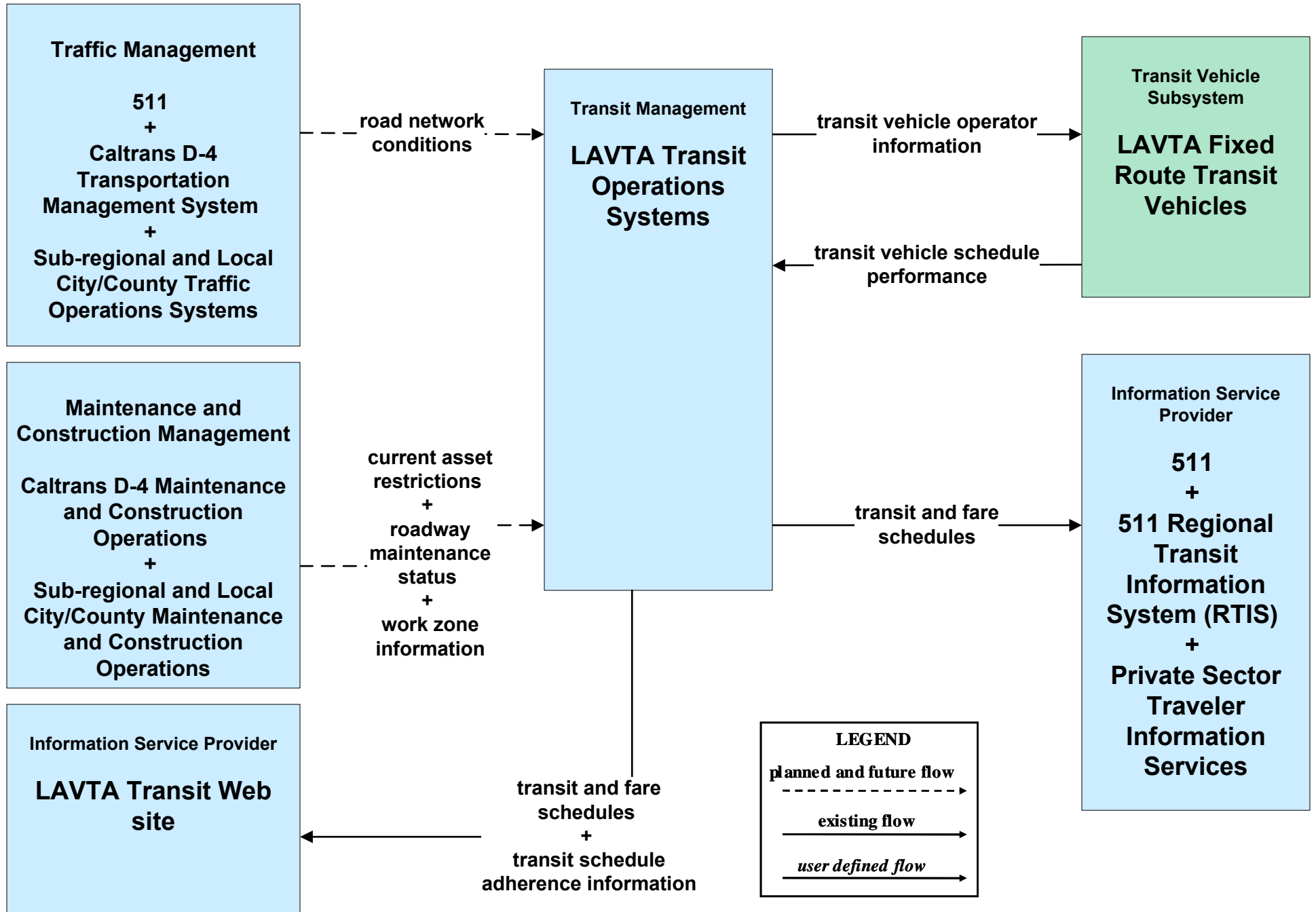




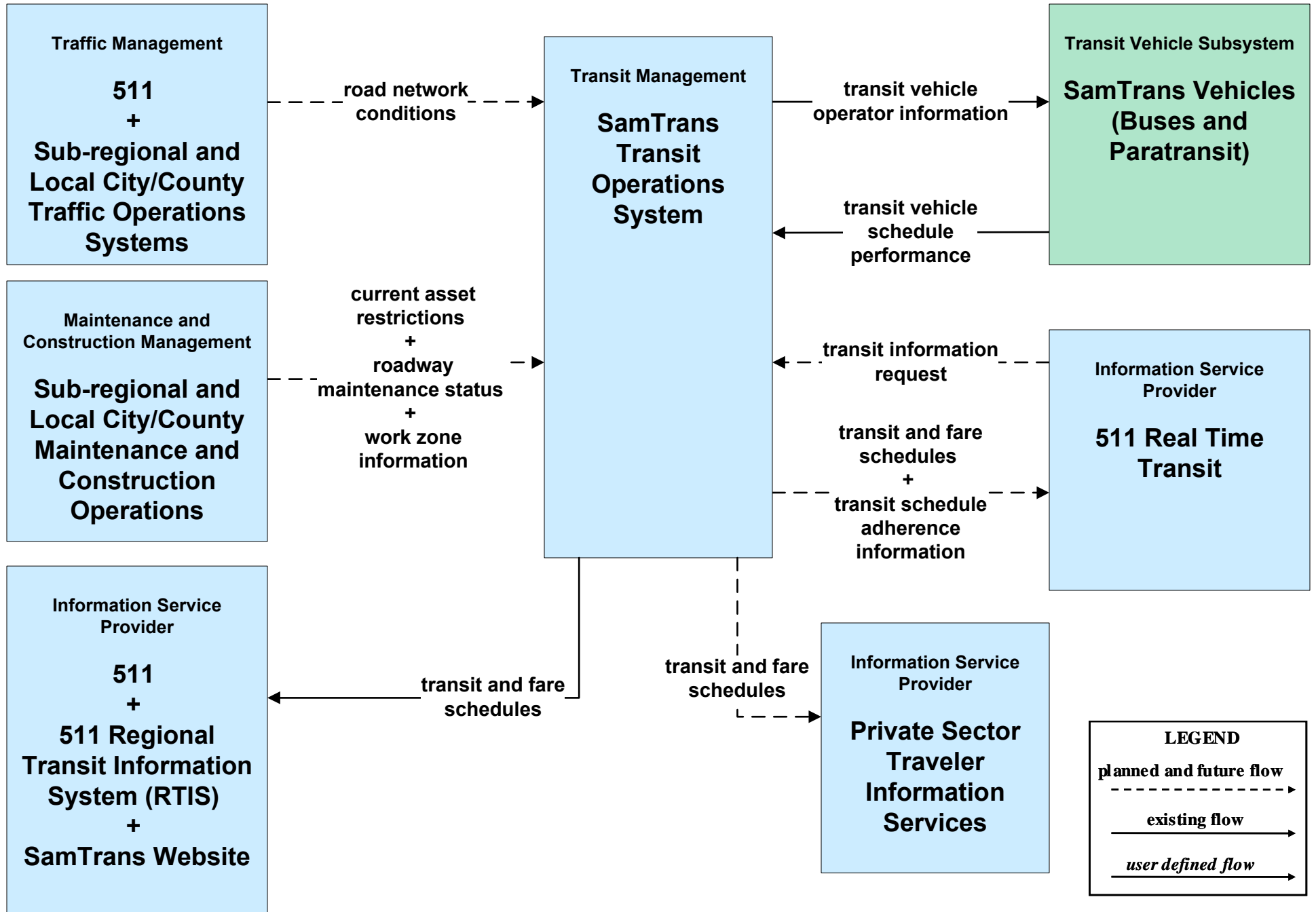
## APTS01 - Transit Vehicle Tracking Sub-regional and Local City/County



## APTS02 - Transit Fixed-Route Operations LAVTA Transit

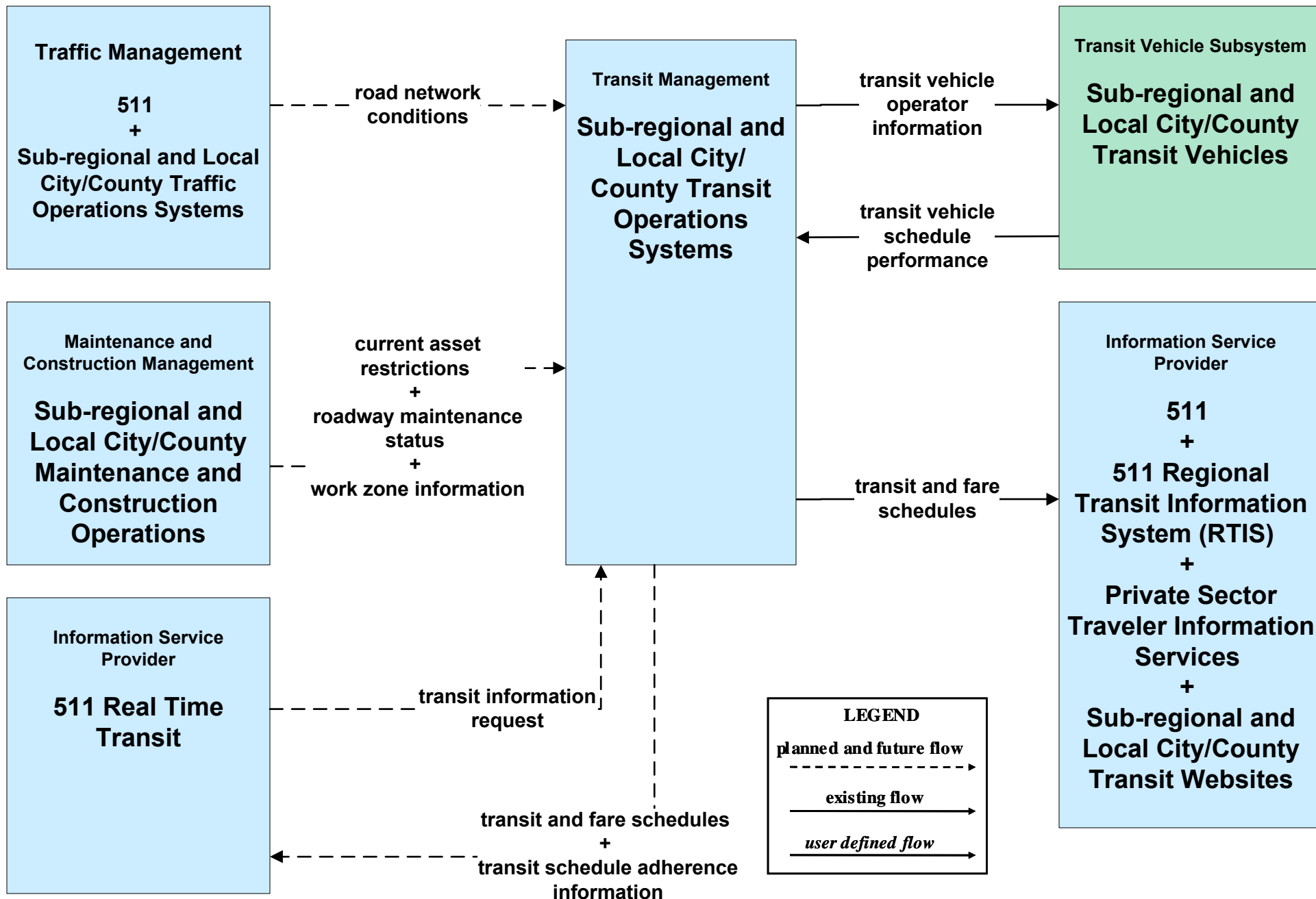


## APTS02 - Transit Fixed-Route Operations SamTrans Transit Operations



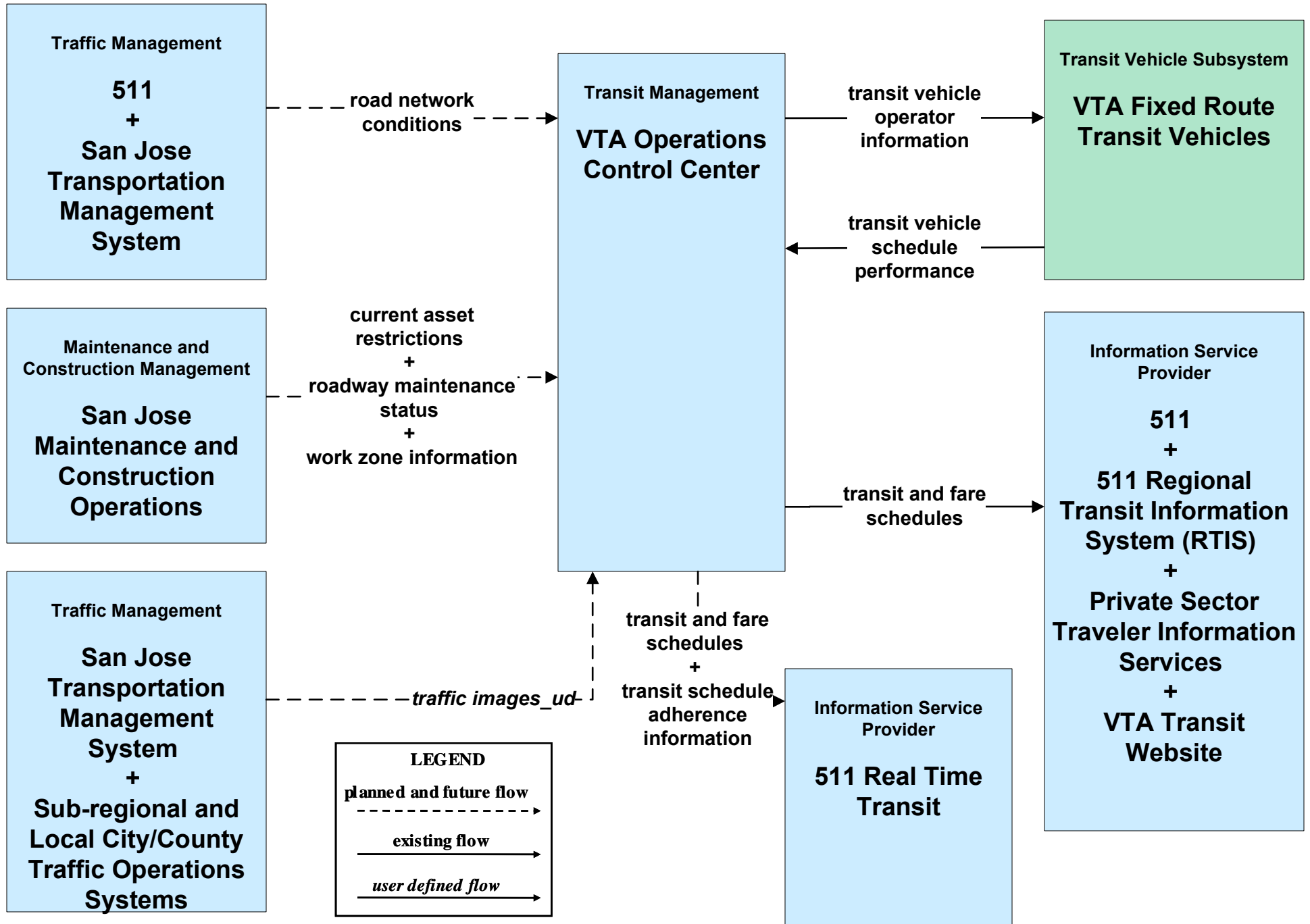
## APTS02 - Transit Fixed-Route Operations

### Sub-regional and Local City/County Transit Operations

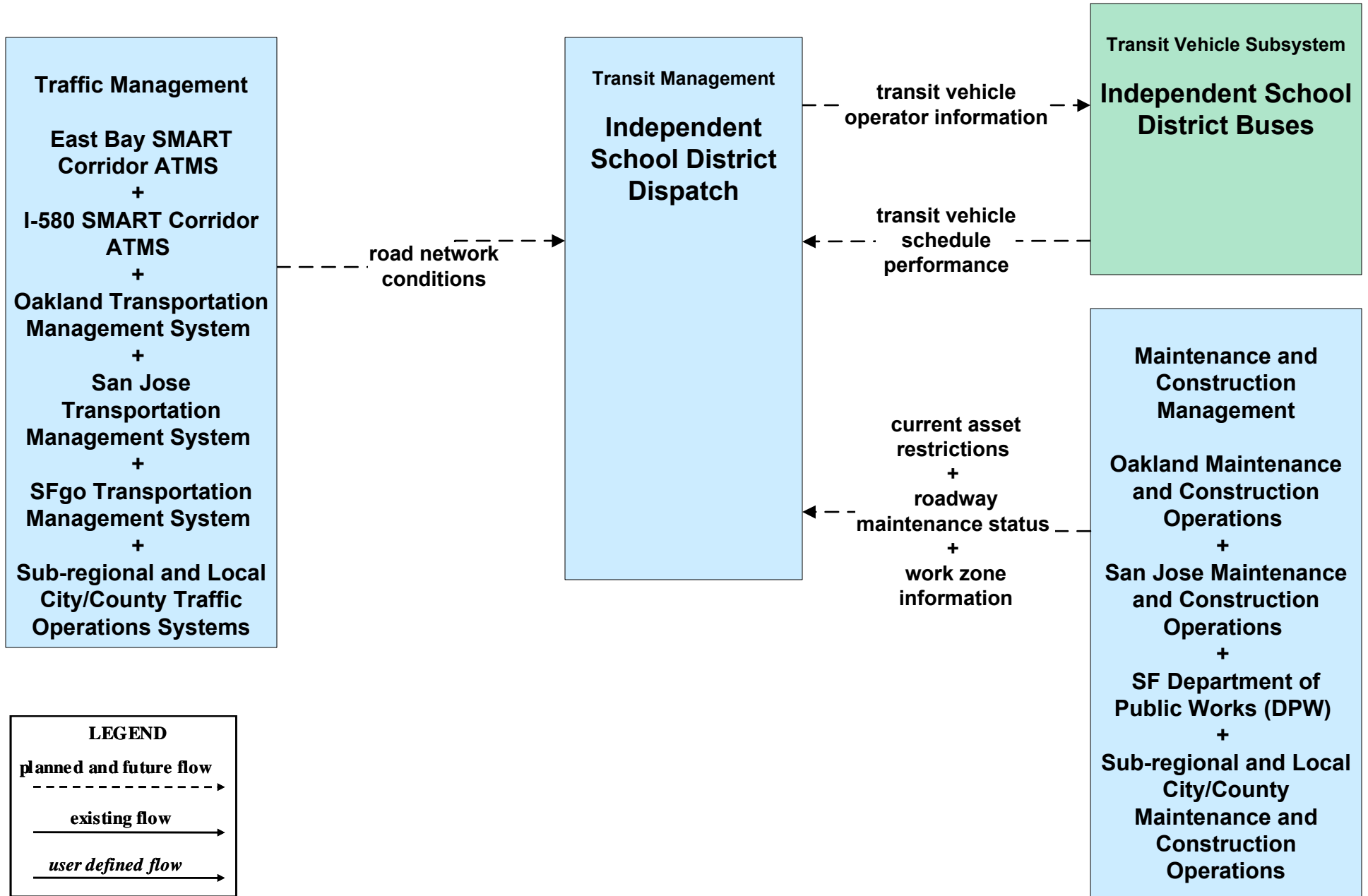


# APTS02 - Transit Fixed-Route Operations

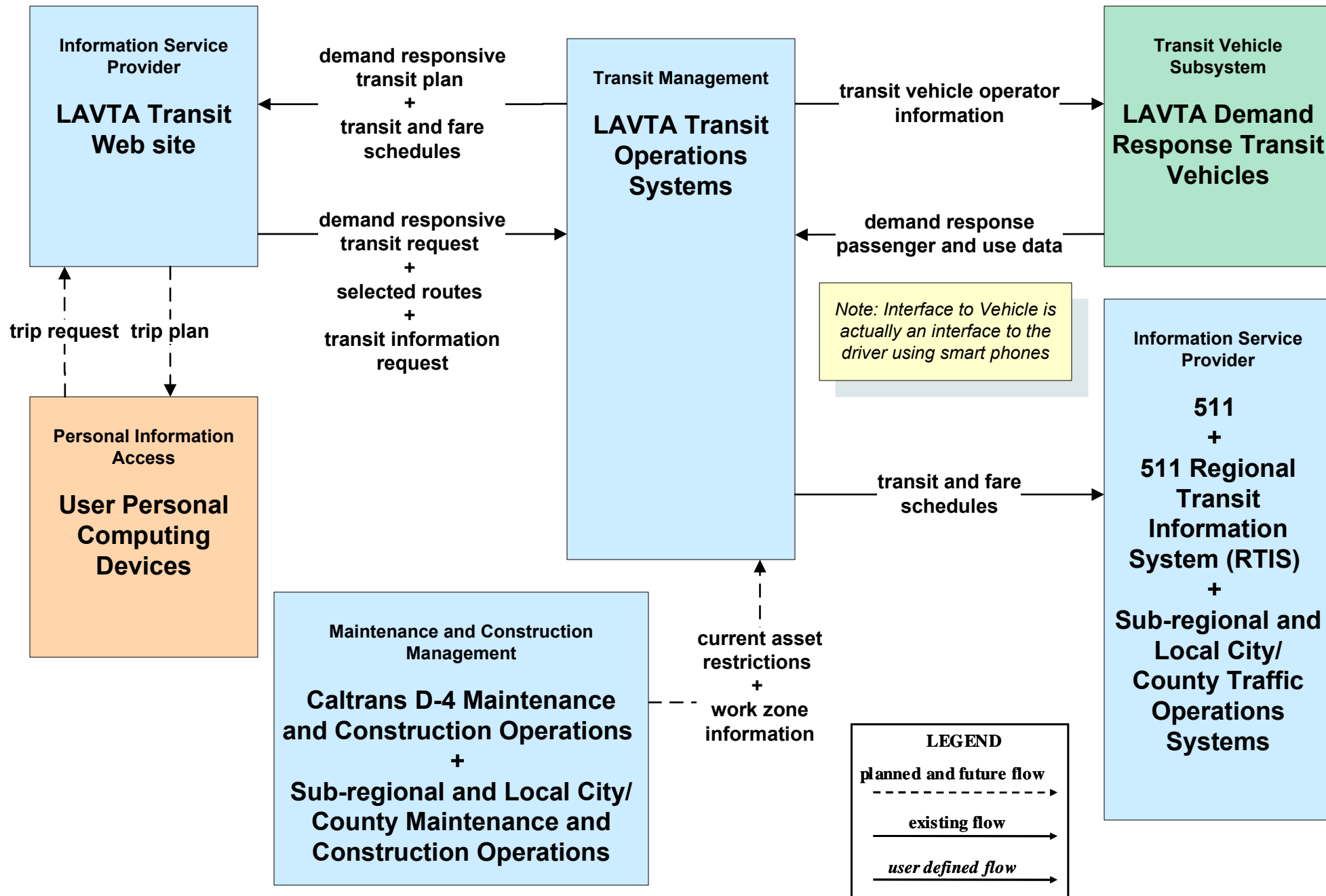
## VTA Transit Operations



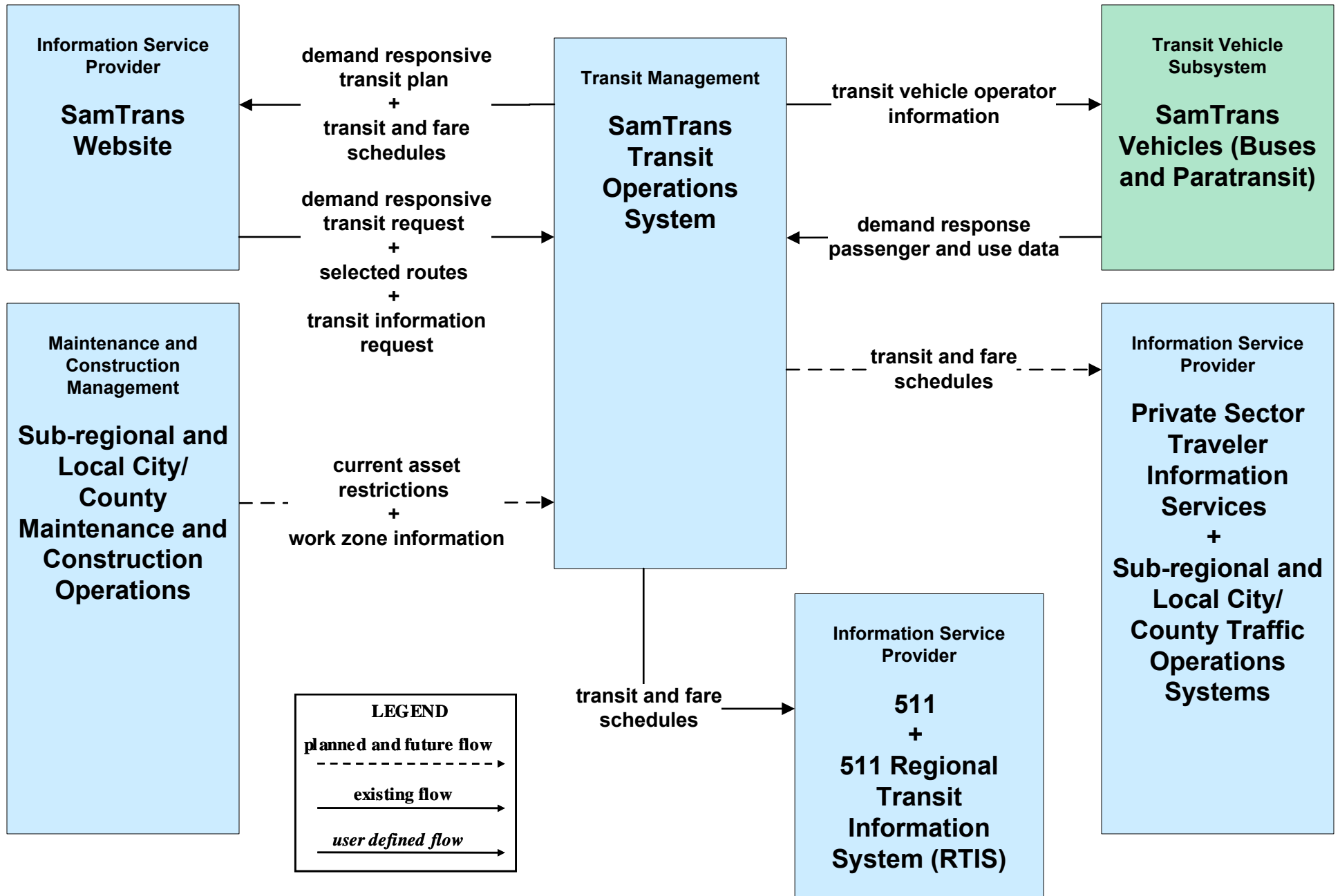
## APTS02 - Transit Fixed-Route Operations Independent School Districts



# APTS03 - Demand Response Transit Operations LAVTA

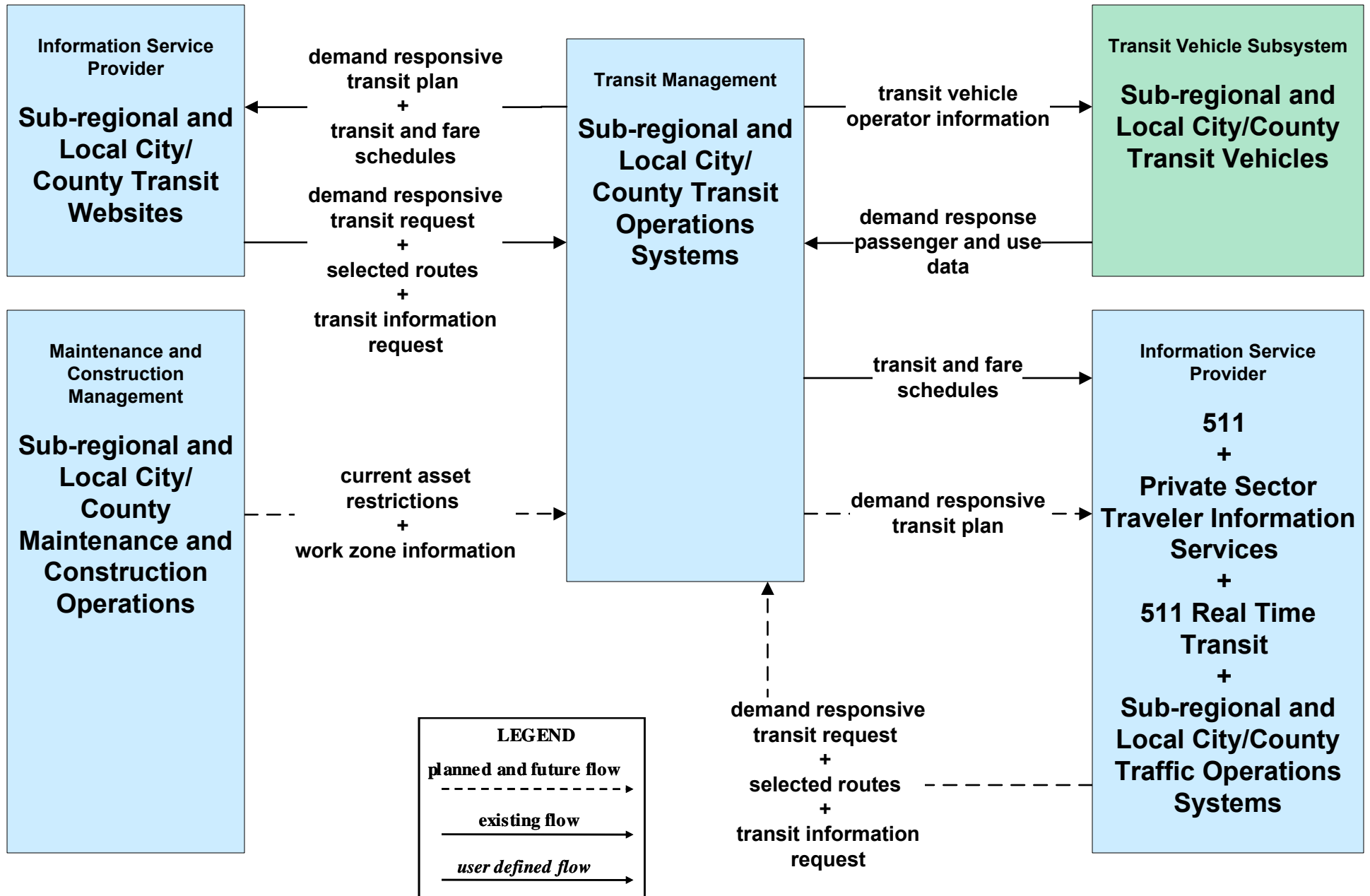


## APTS03 - Demand Response SamTrans Transit Operations

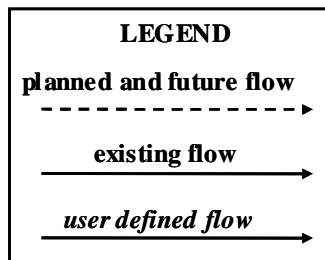
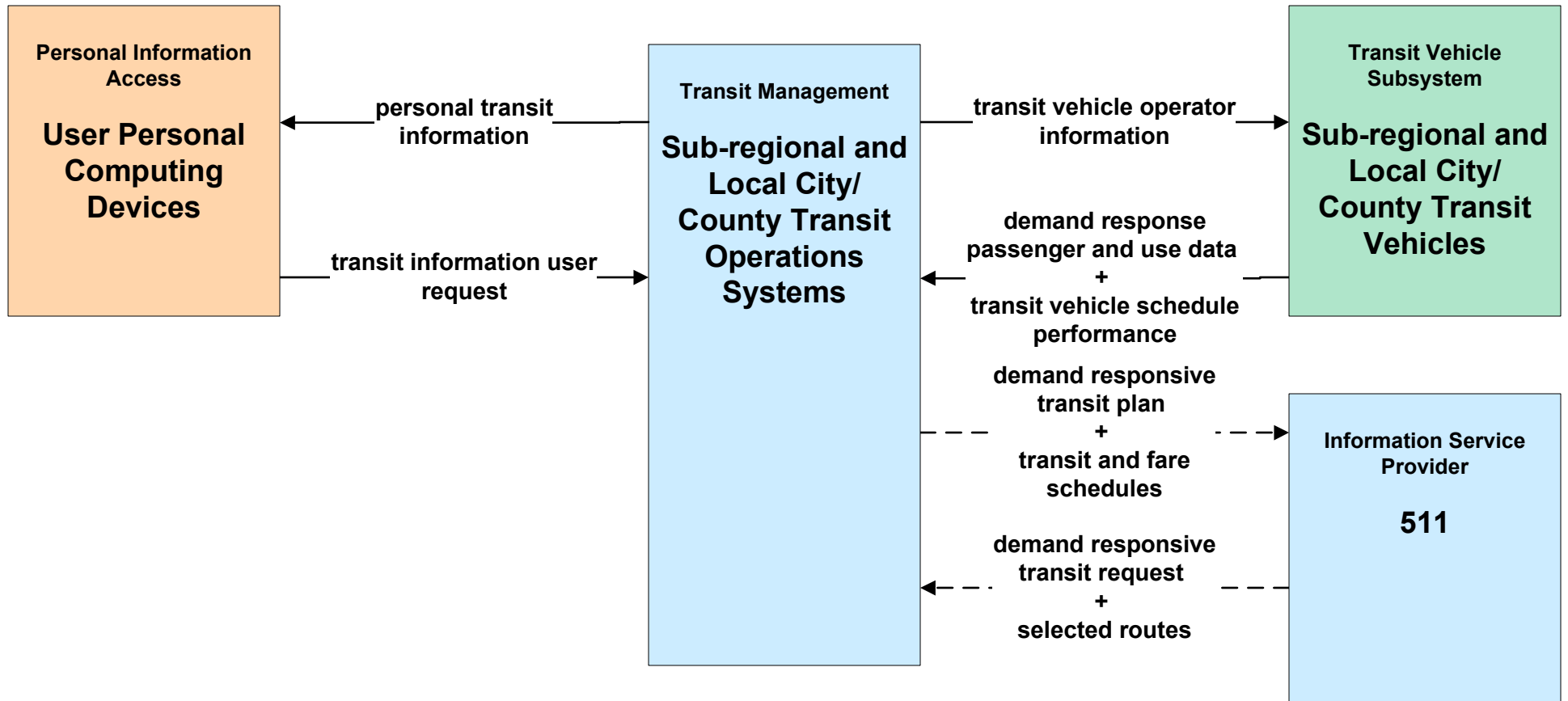




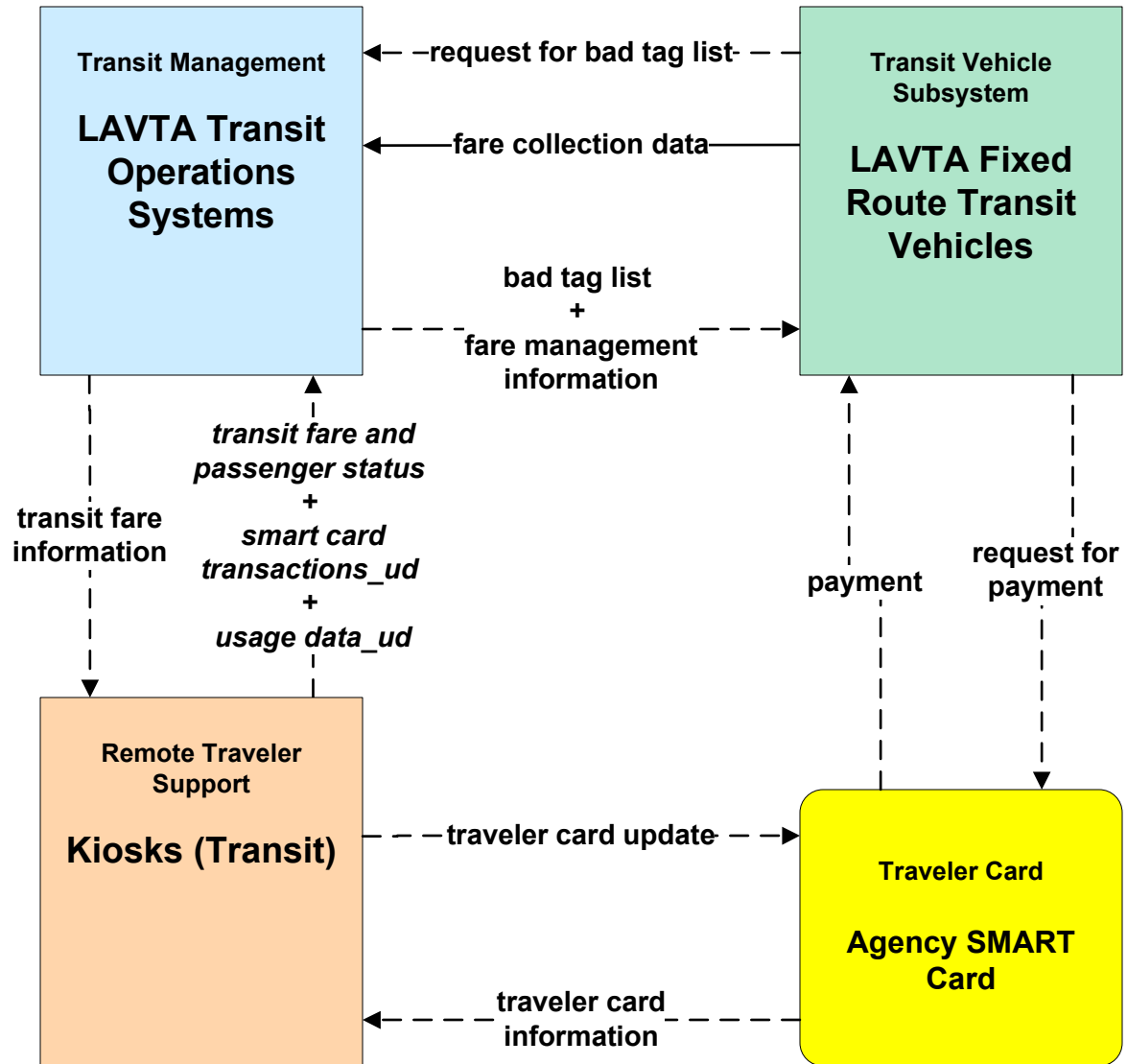
# **APTS03 - Demand Response** **Sub-regional and Local City/County Transit Operations**



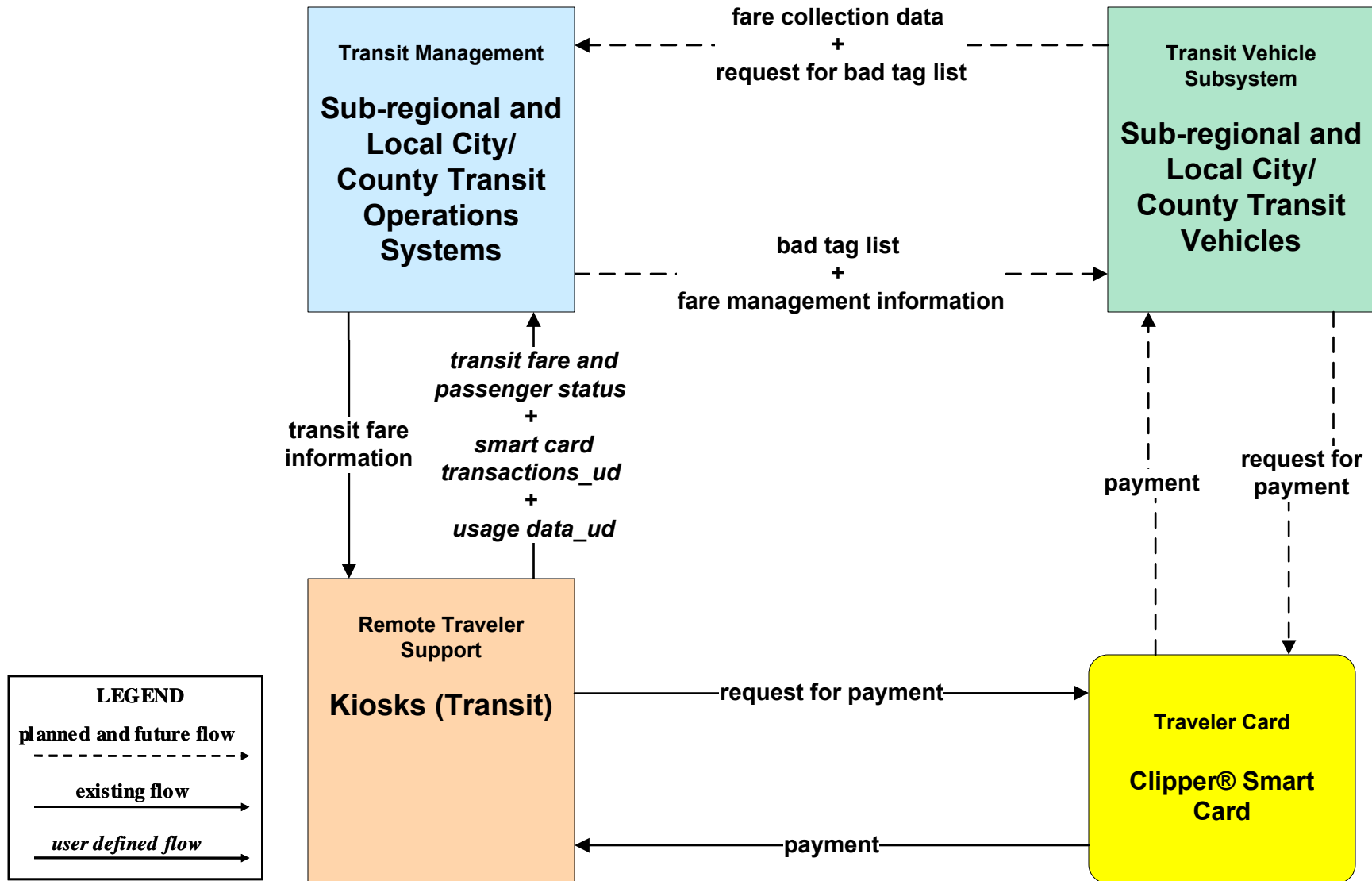
## APTS03 - Demand Response Transit Operations Sub-regional and Local City/County Transit



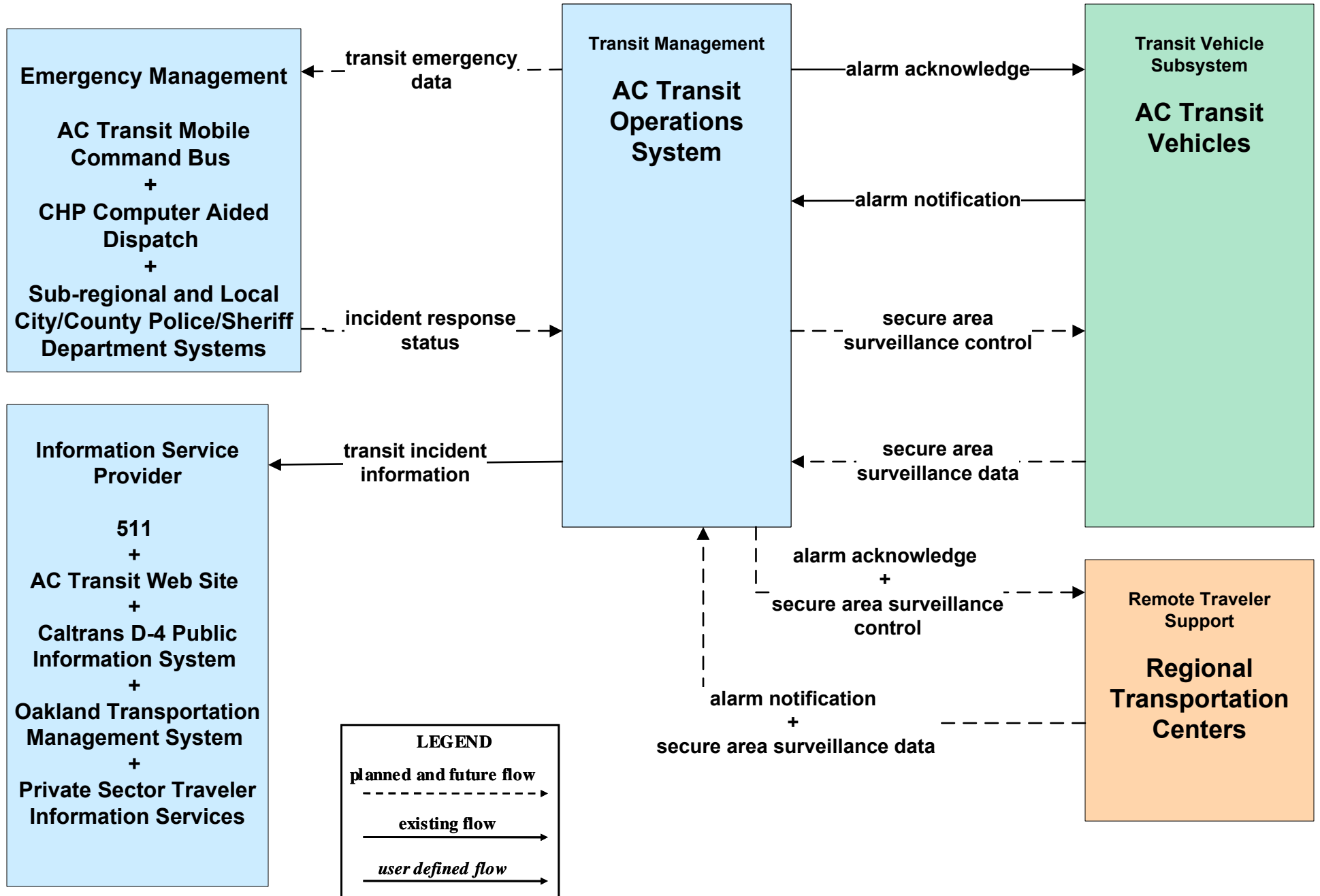
## APTS04 - Transit Passenger and Fare Management LAVTA



## APTS04 - Transit Passenger and Fare Management Local City/County Transit Operations

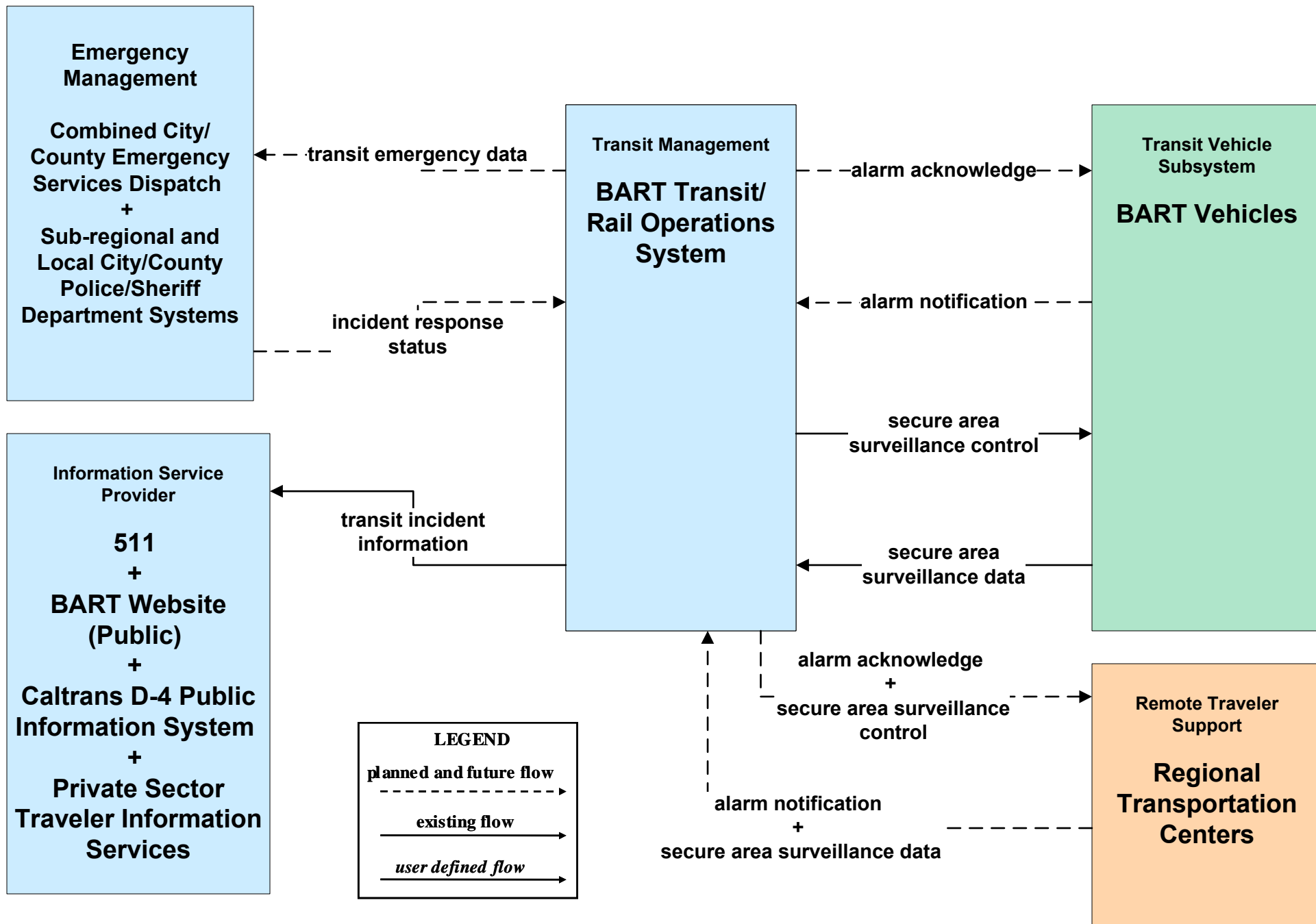


# APTS05 - Transit Security AC Transit Operations

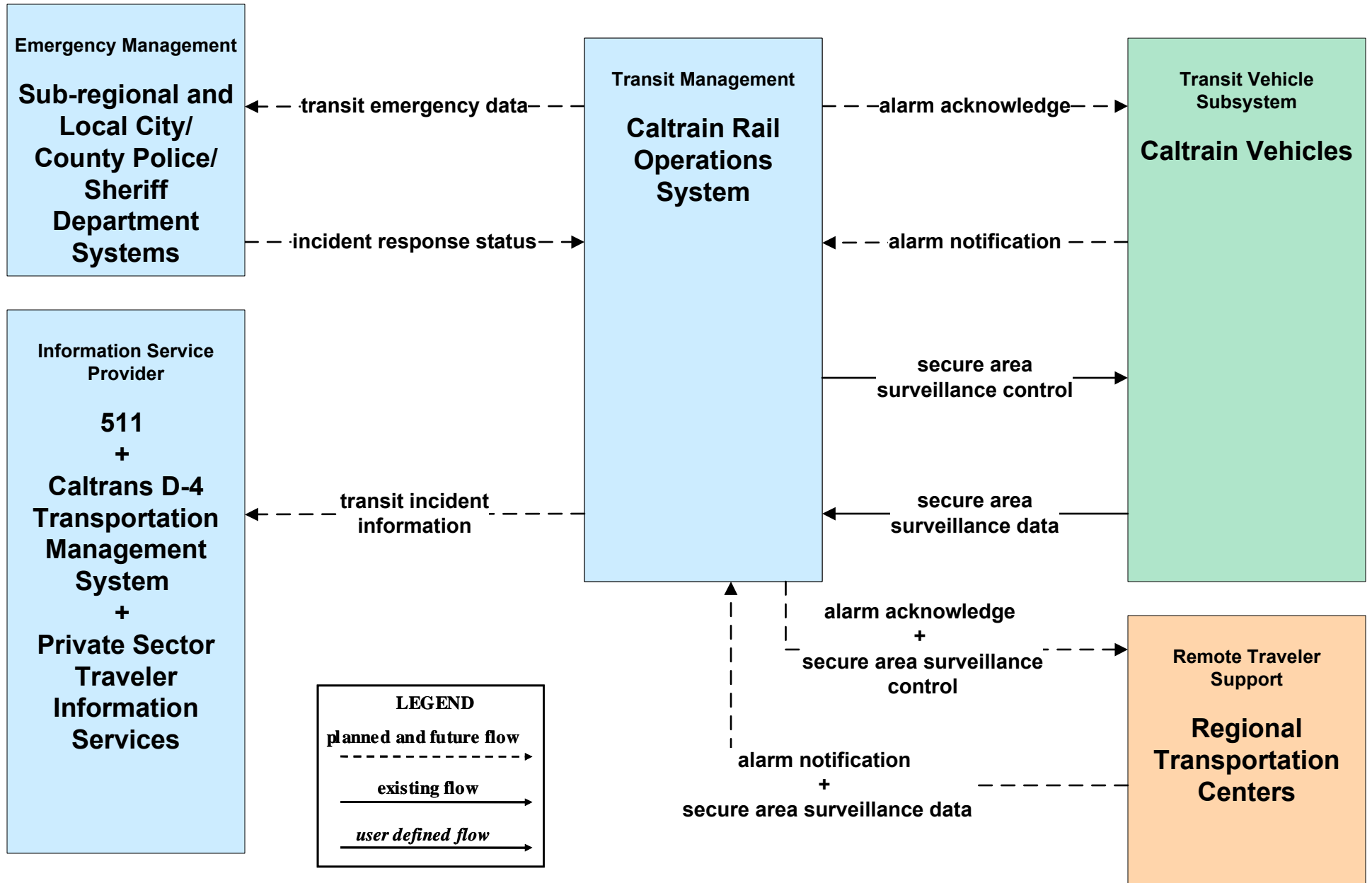


# APTS05 - Transit Security

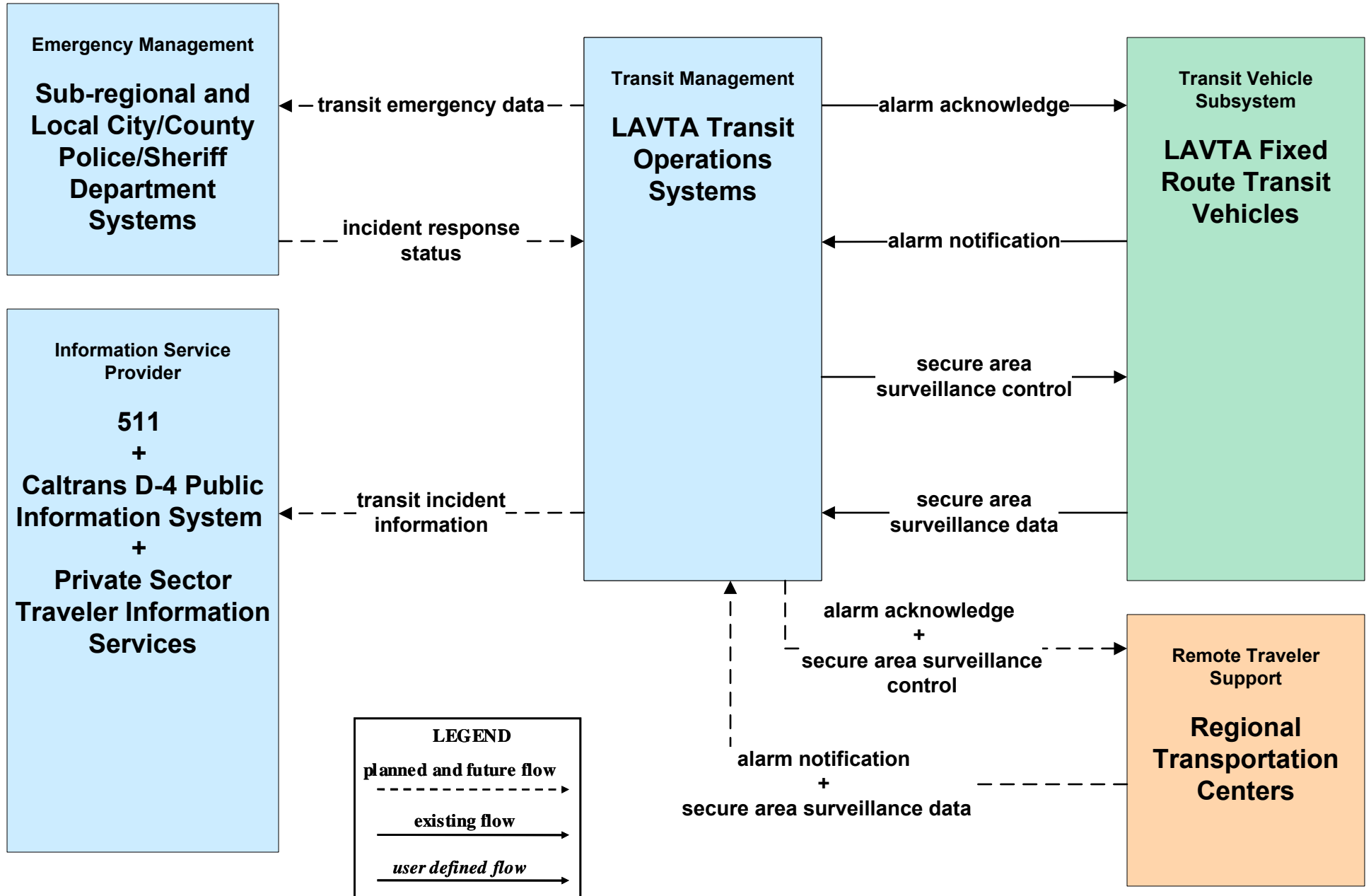
## BART Transit Operations



# APTS05 - Transit Security Caltrain Rail Operations

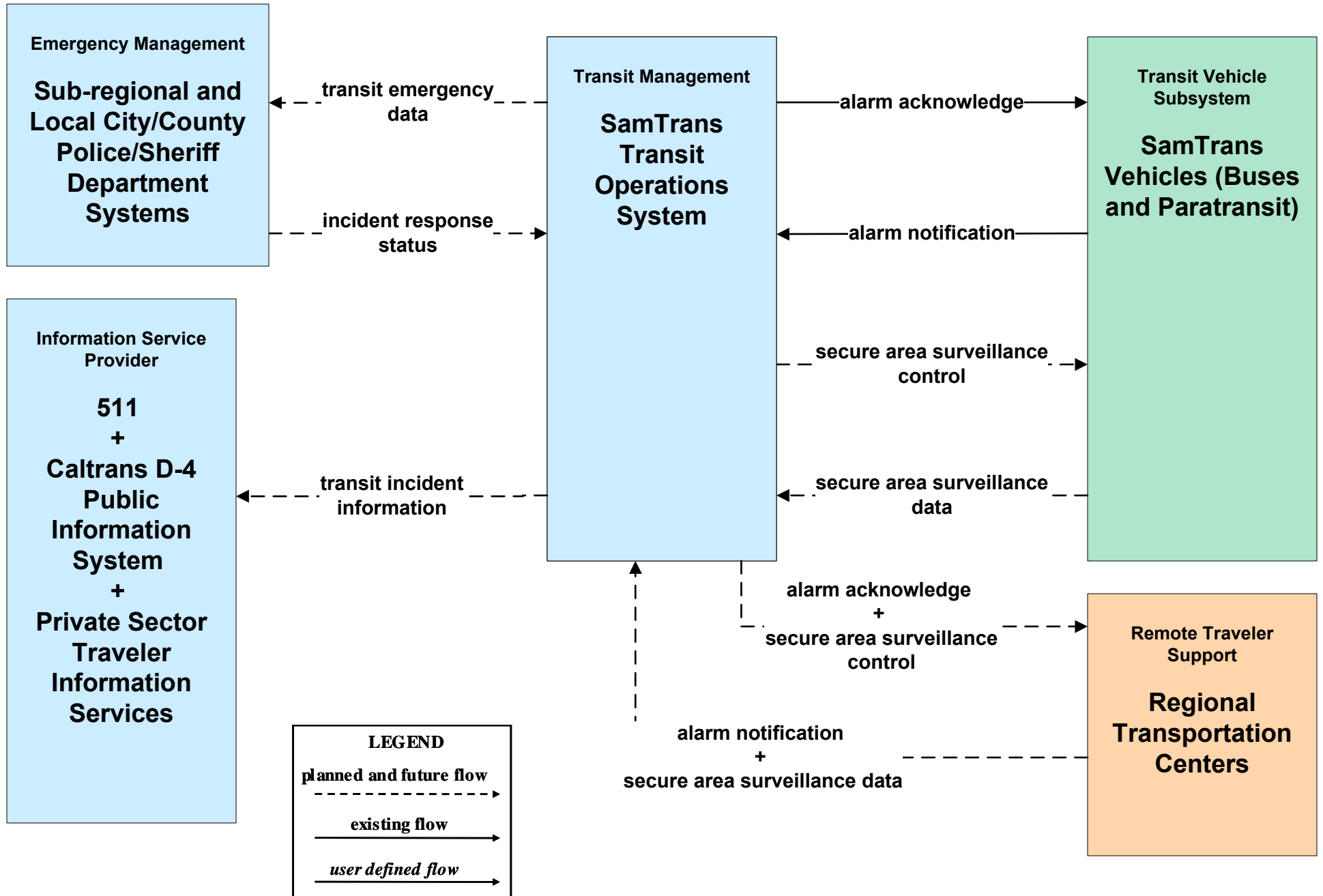


# APTS05 - Transit Security LAVTA



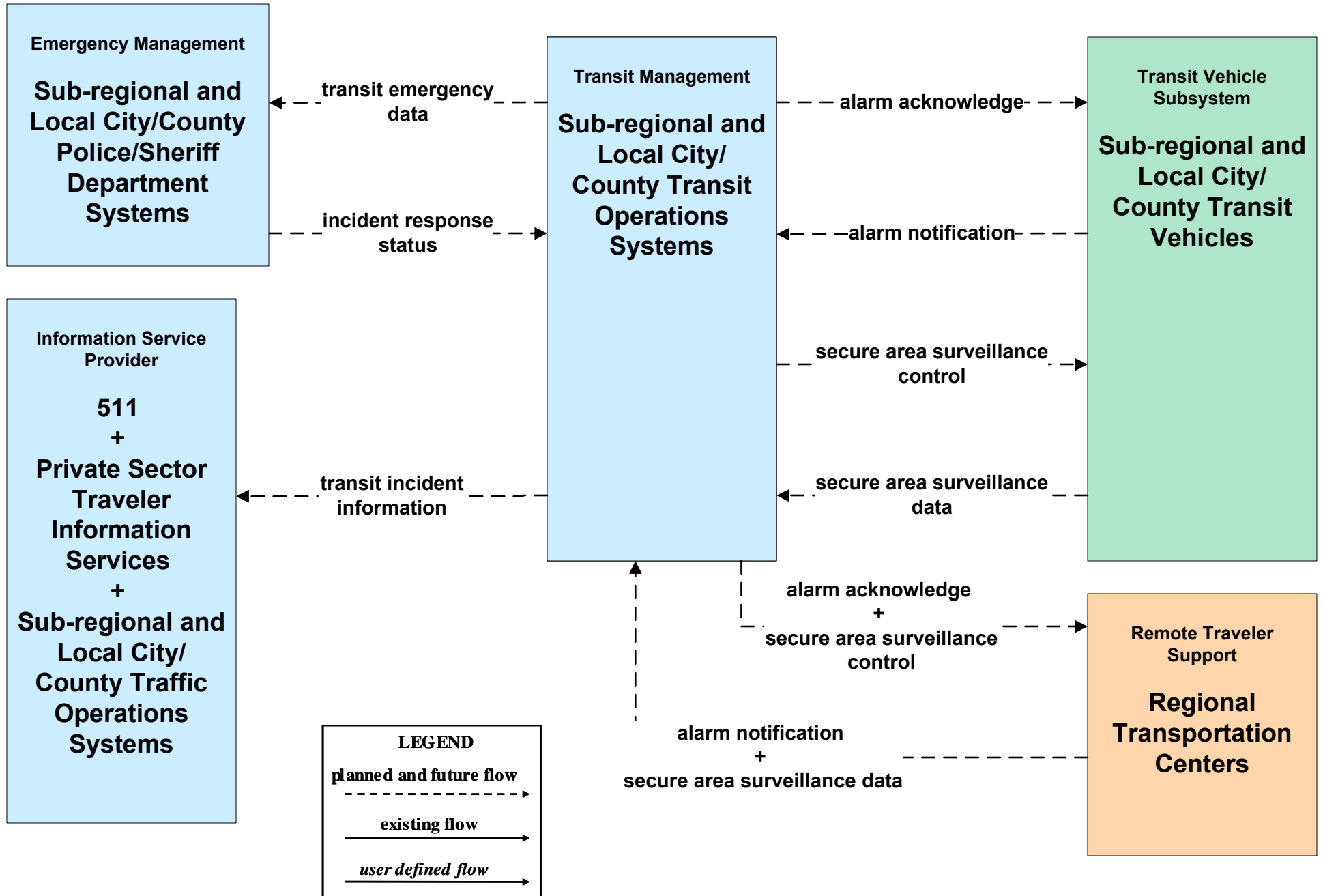


# APTS05 - Transit Security SamTrans Transit Operations



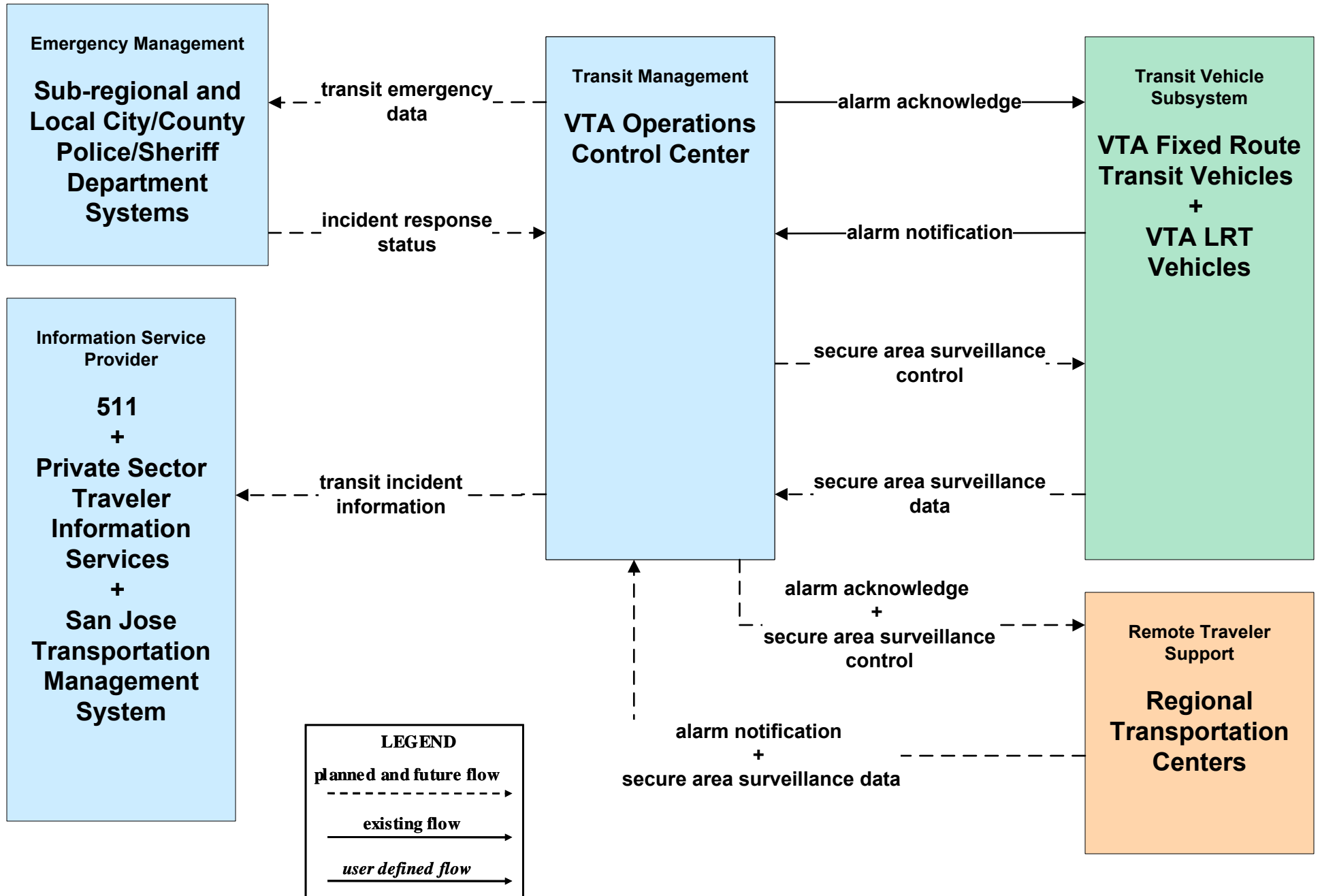
# APTS05 - Transit Security

## Local City/County Transit Operations

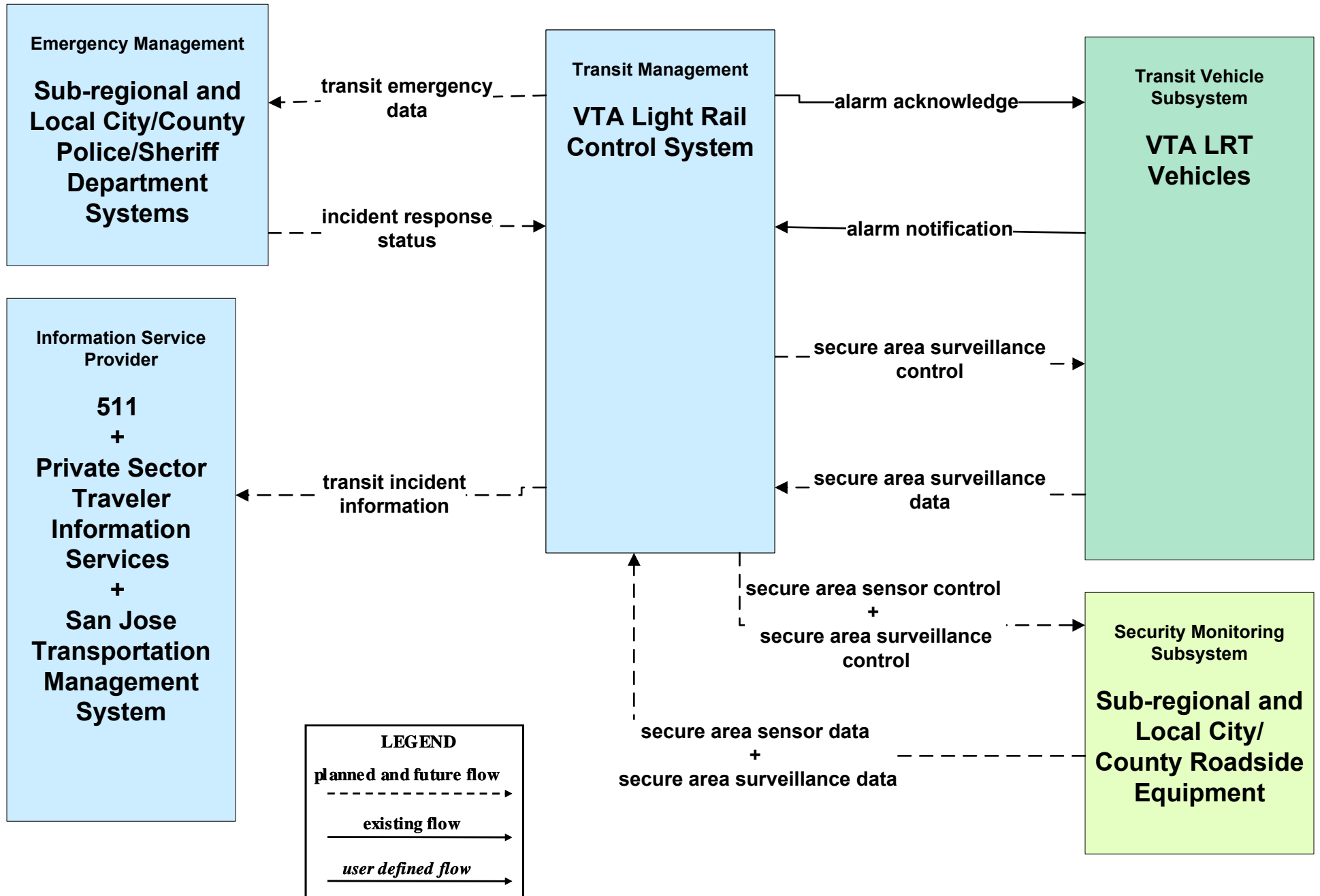


# APTS05 - Transit Security

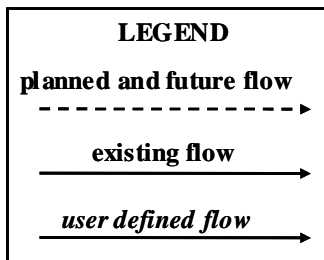
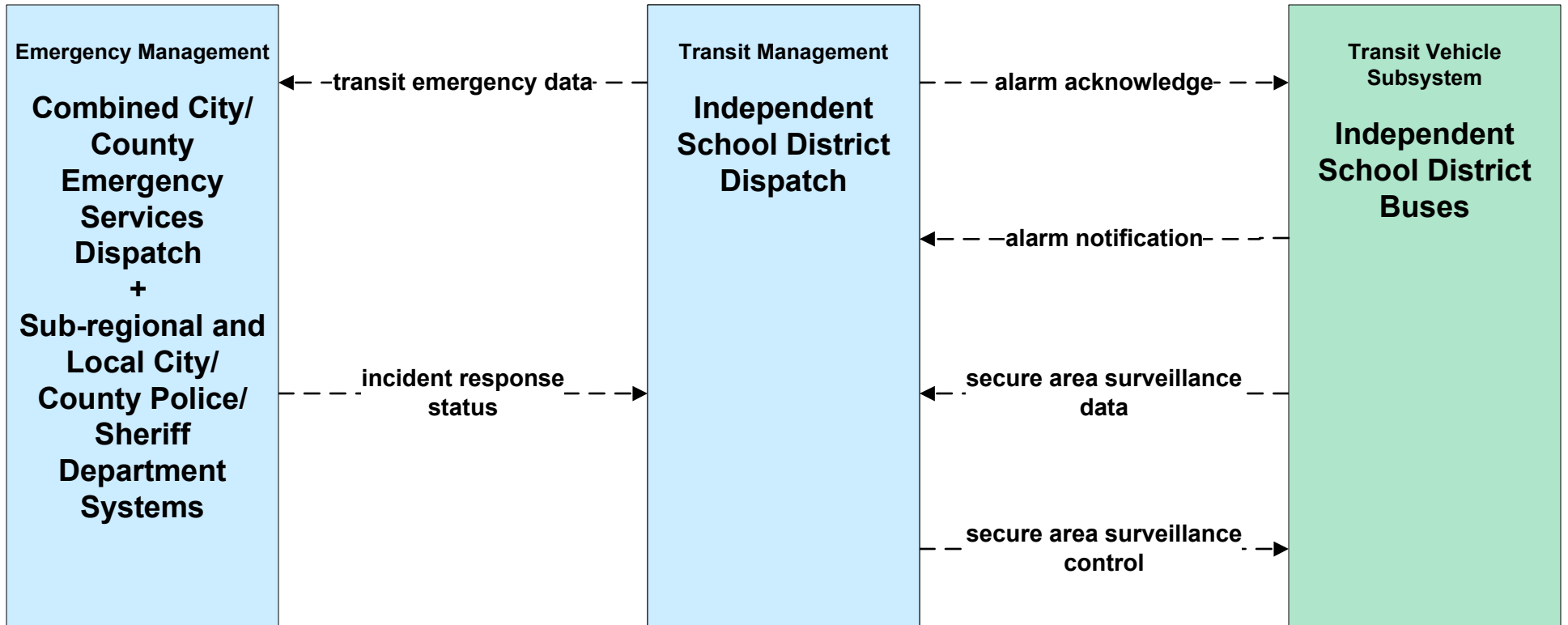
## VTA Transit Operations



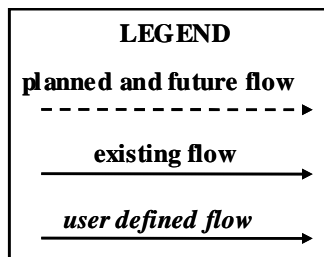
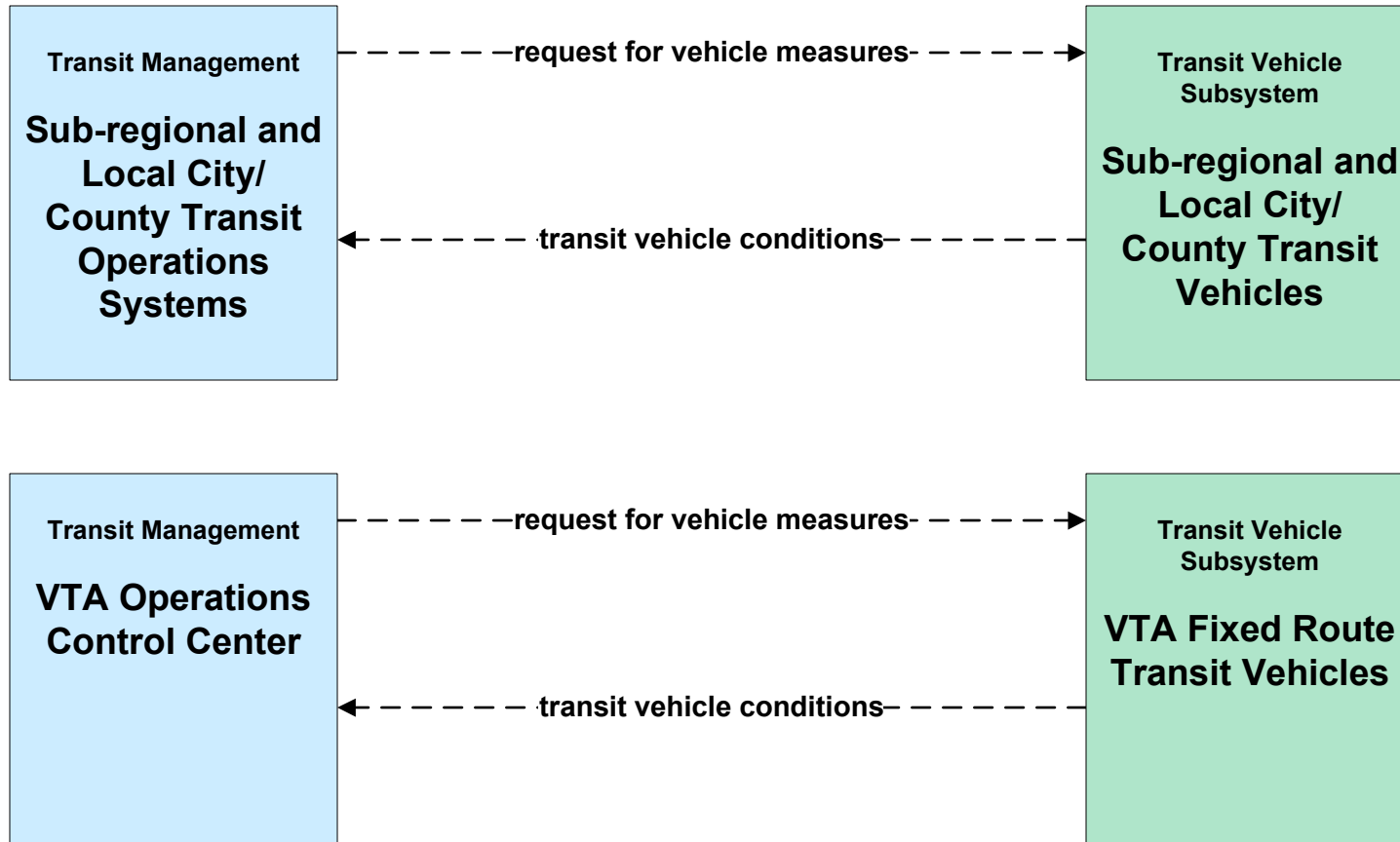
# APTS05 - Transit Security VTA Light Rail



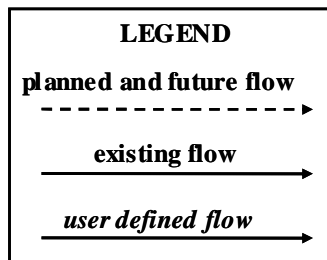
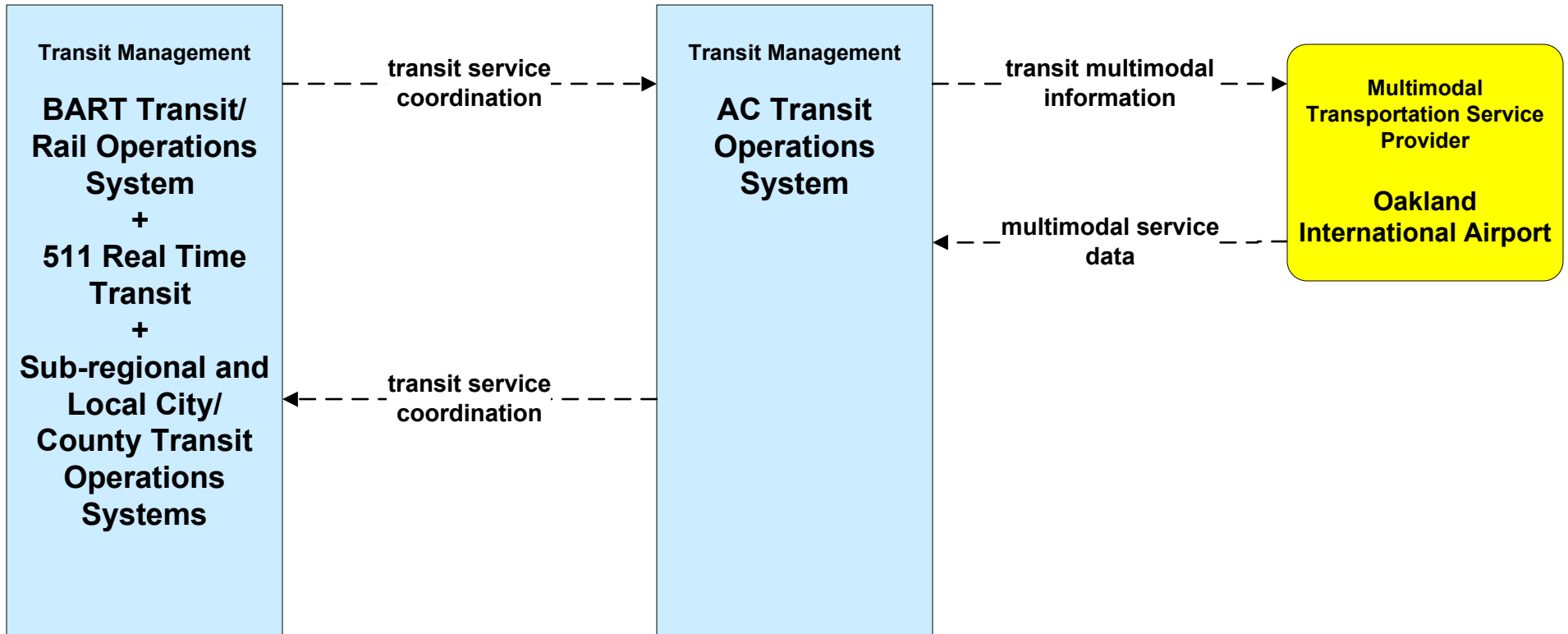
## APTS05 - Transit Security Independent School Districts



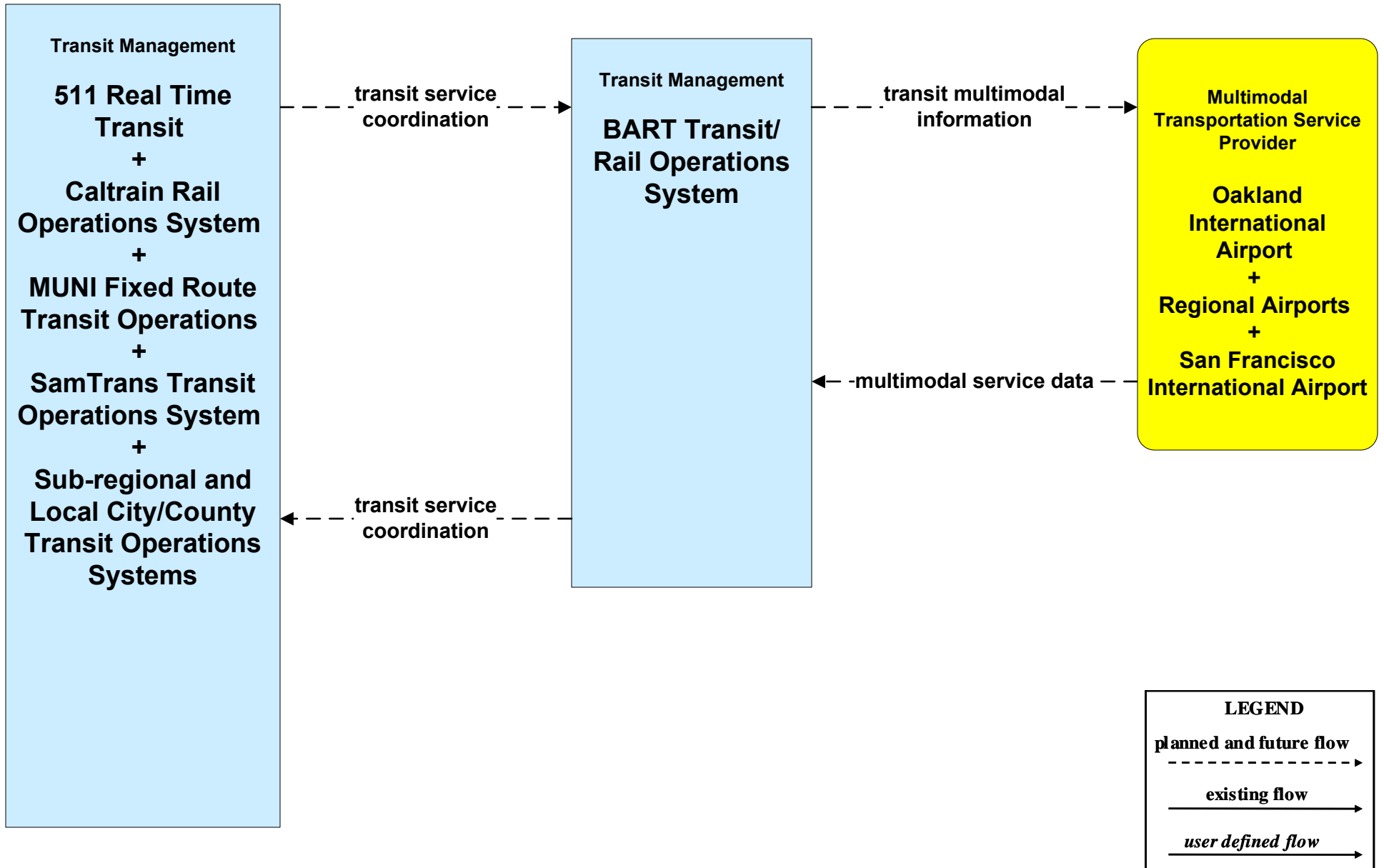
**APTS06 - Transit Maintenance**  
**Sub-regional and Local City/County Transit / VTA Transit**



## APTS07 - Multi-modal Coordination AC Transit Operations

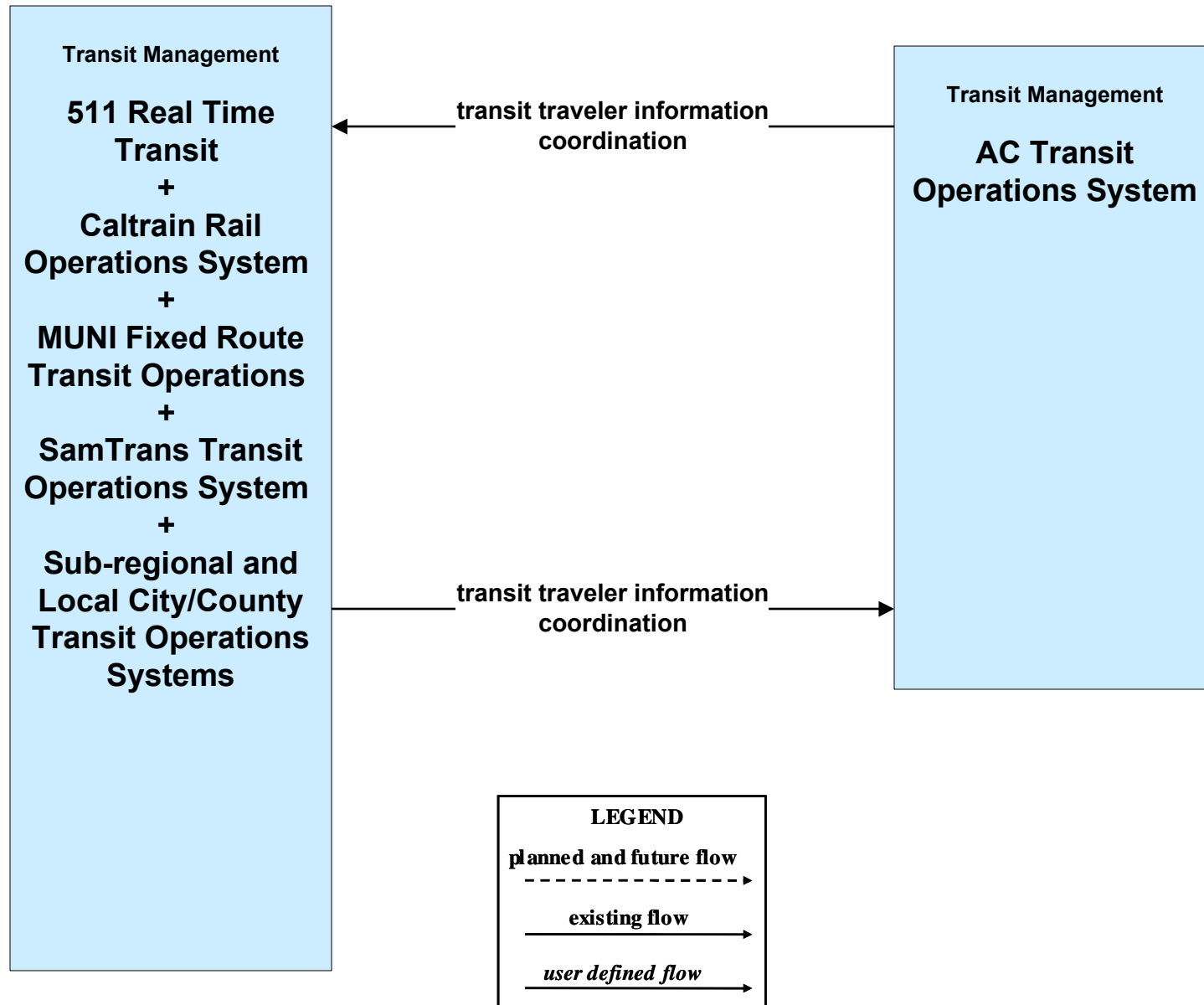


## APTS07 - Multi-modal Coordination BART

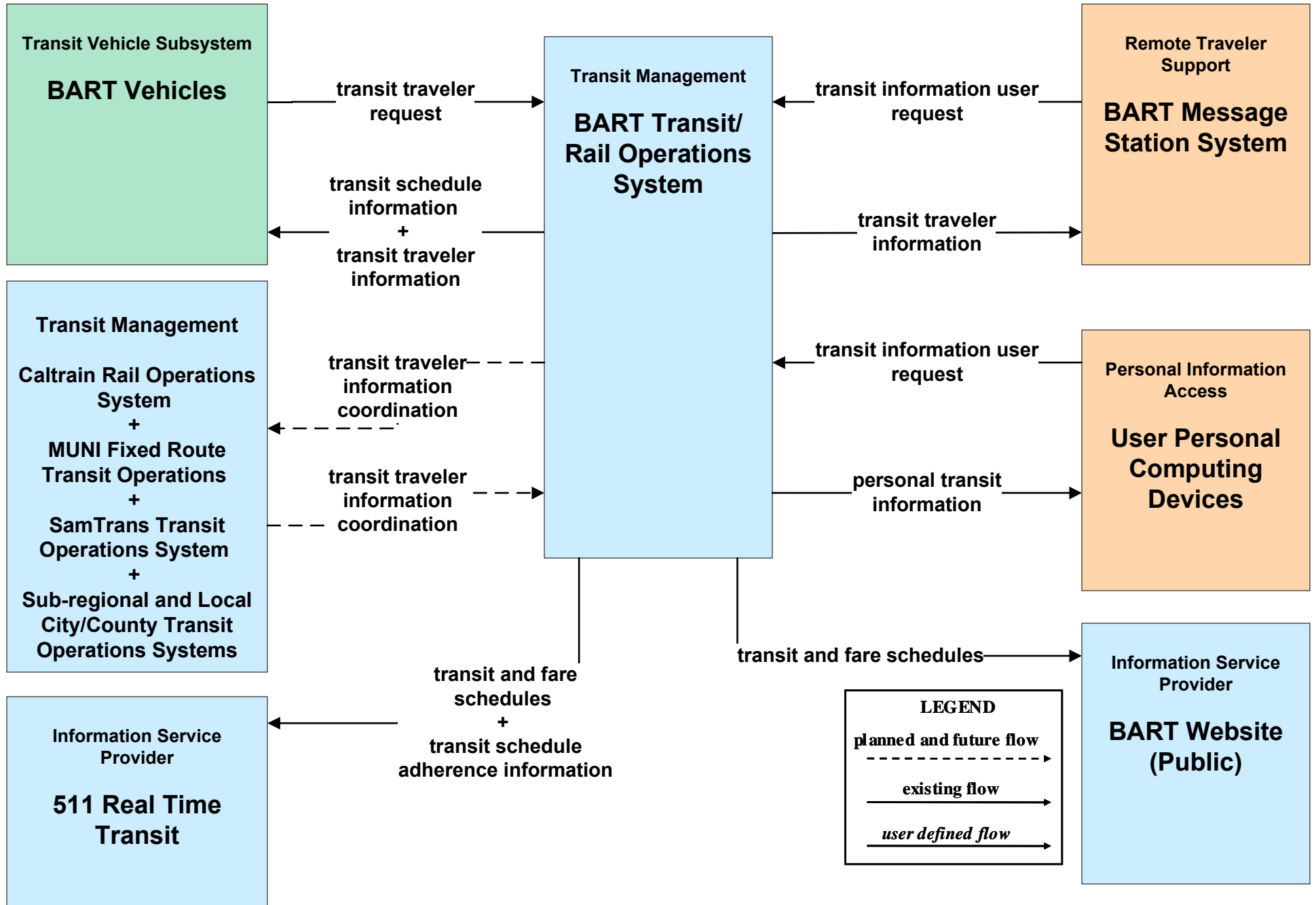




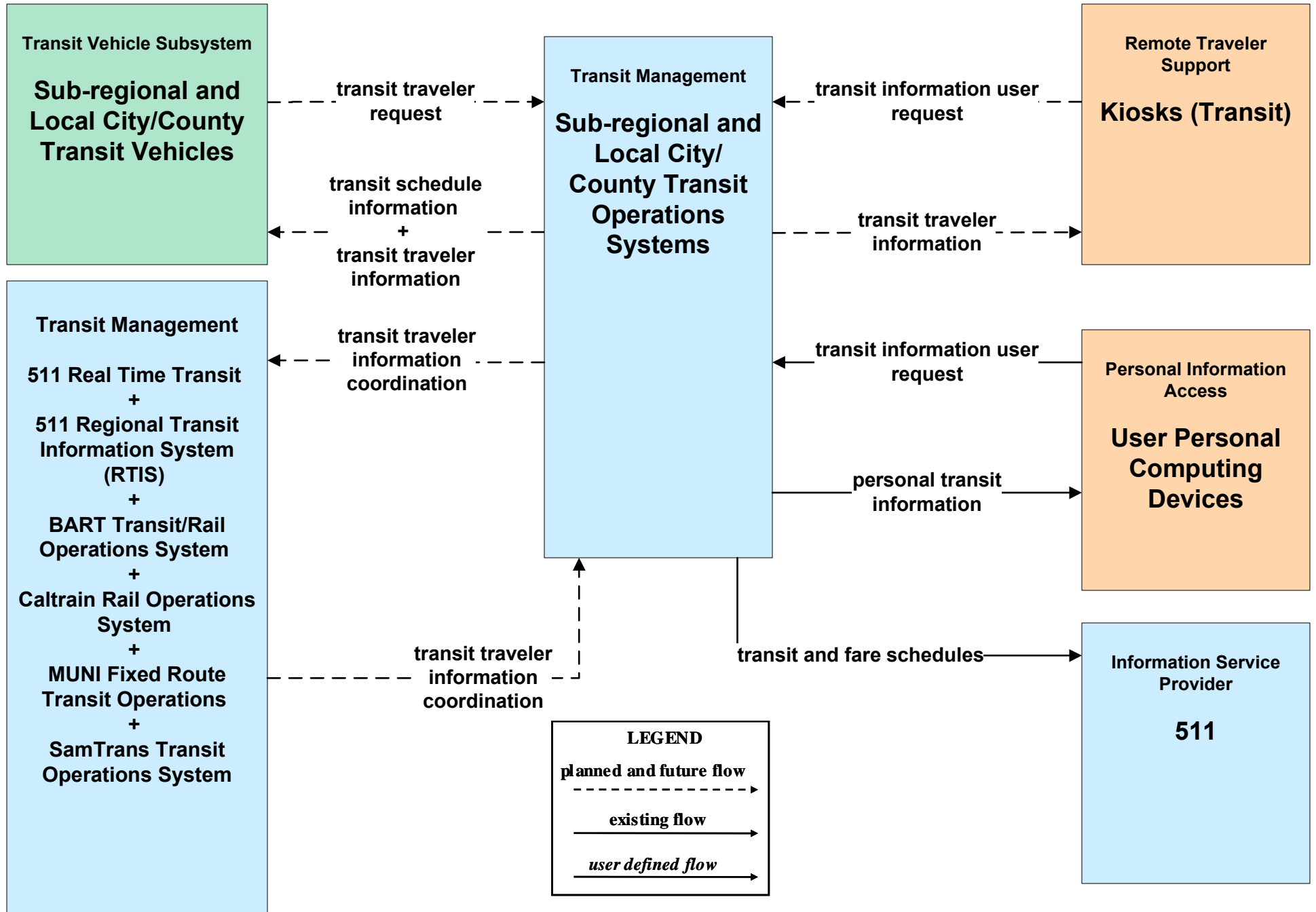
**APTS08 - Transit Traveler Information  
AC Transit (2 of 2)**



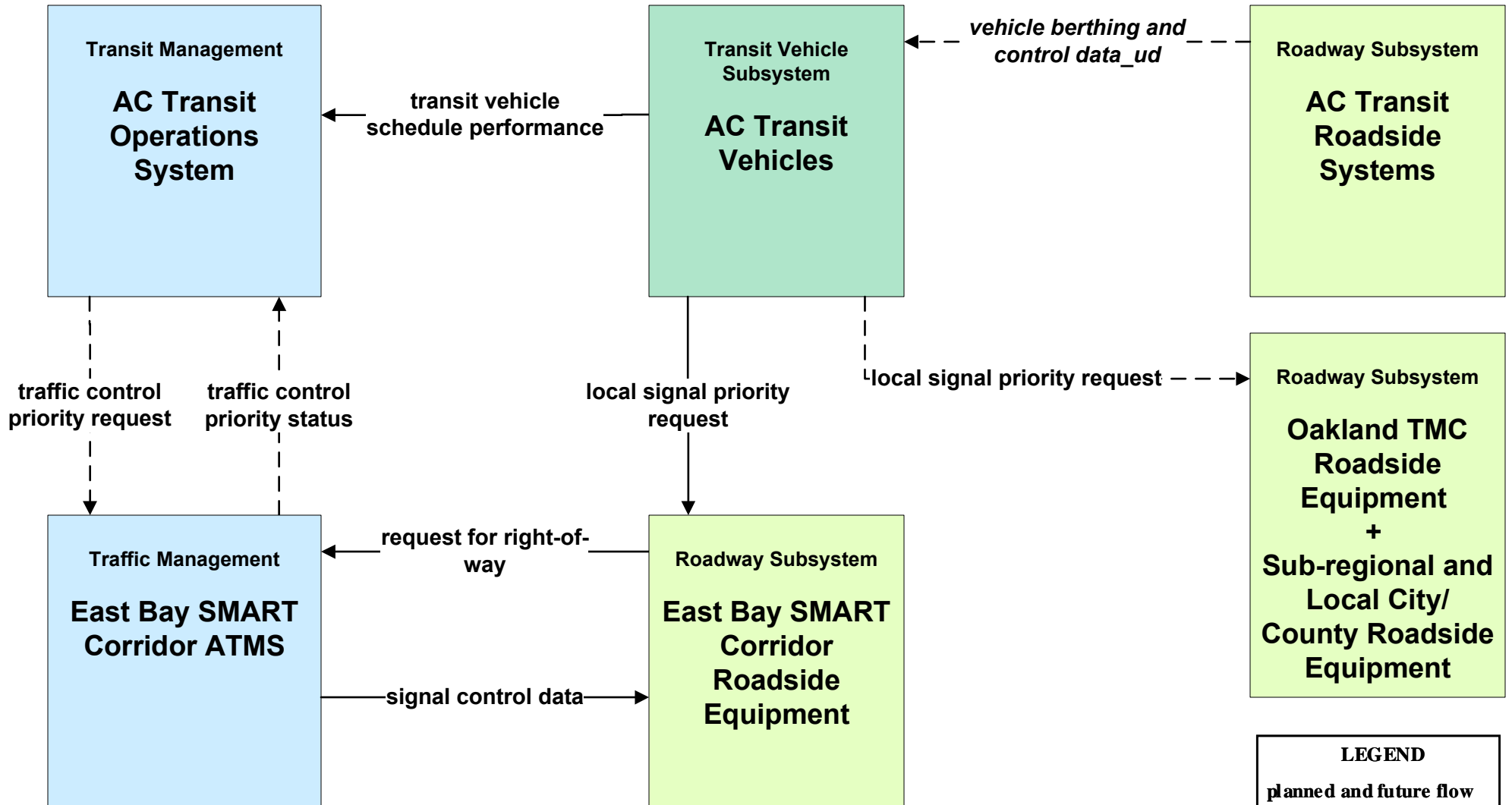
# APTS08 - Transit Traveler Information BART Transit Operations



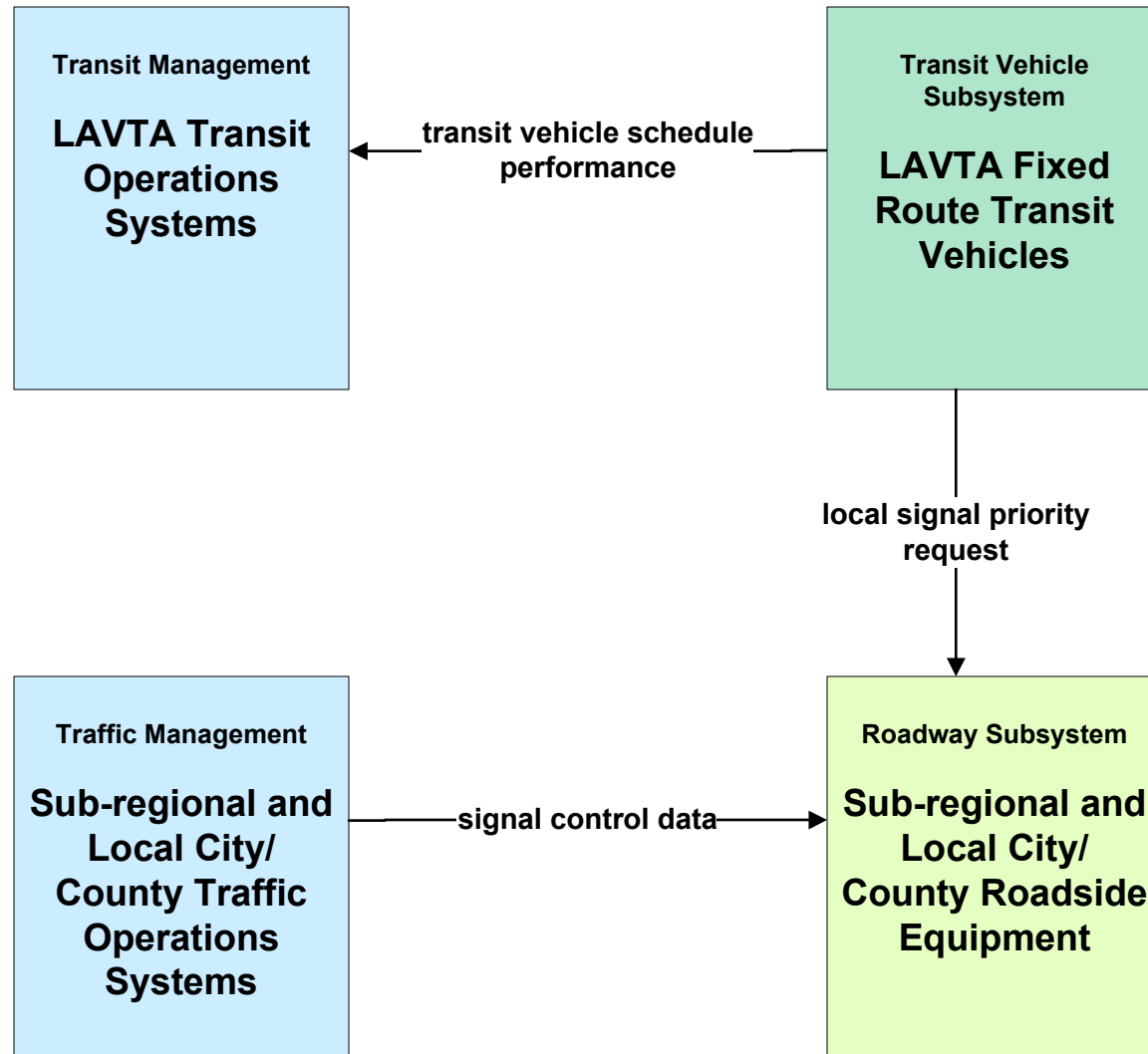
## APTS08 - Transit Traveler Information Local City/County Transit Operations



# APTS09 - Transit Signal Priority AC Transit Operations

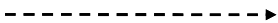


# APTS09 - Transit Signal Priority LAVTA Transit Operations



## LEGEND

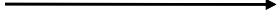
planned and future flow



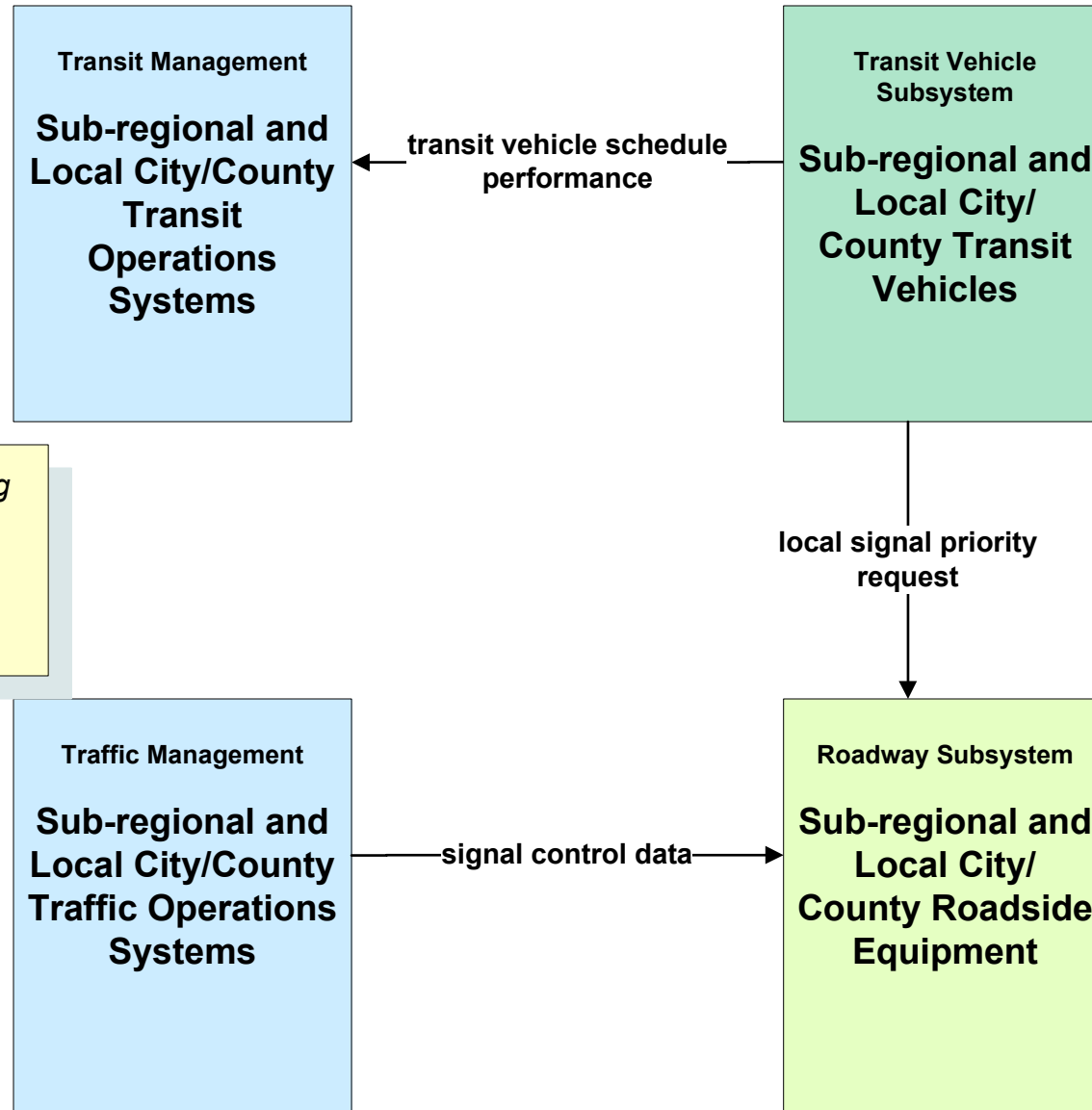
existing flow



*user defined flow*



# APTS09 - Transit Signal Priority Local City/County Transit Operations

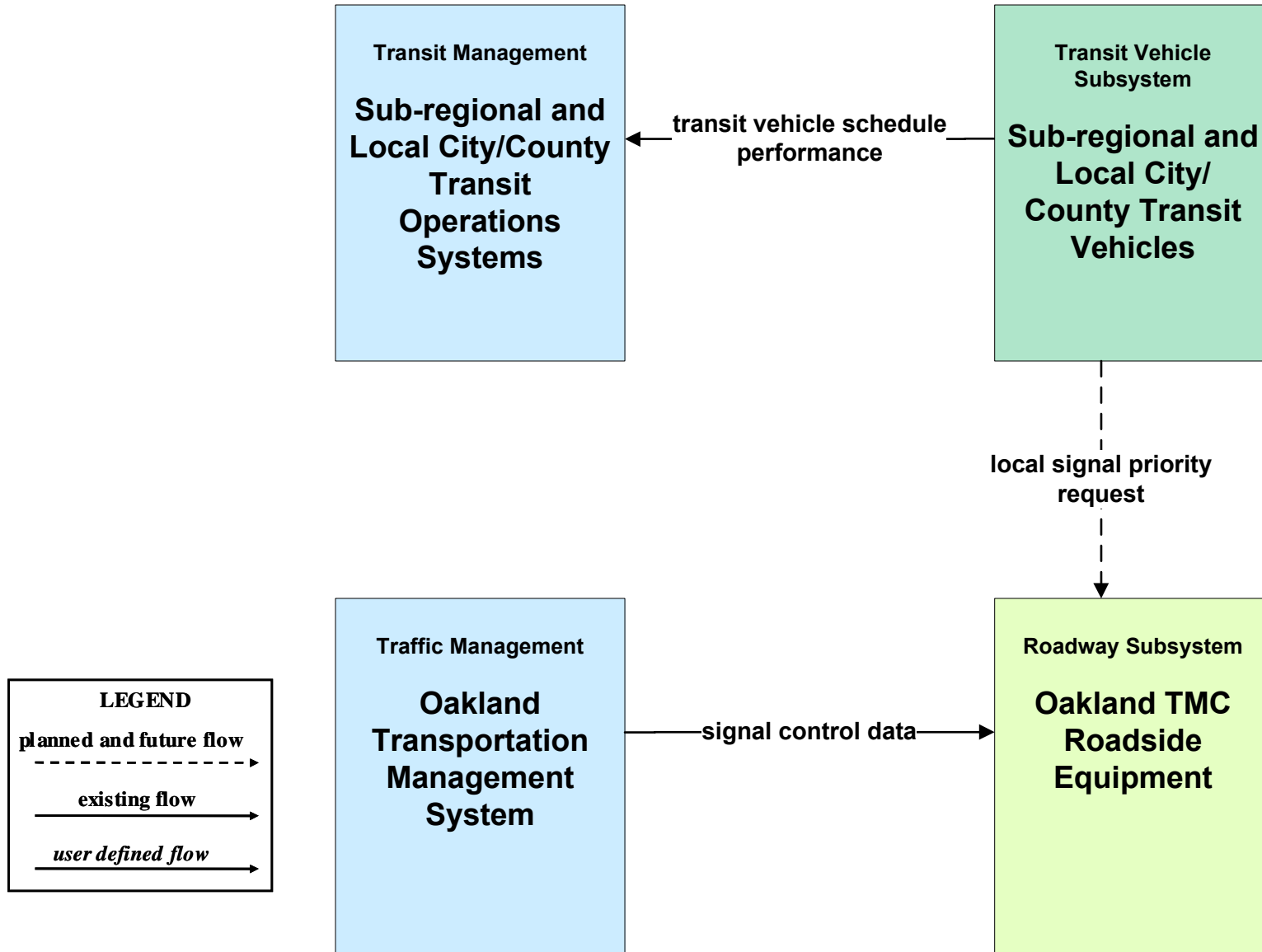


*NOTE: Includes the following agencies:  
Livermore Transit  
Napa Valley Transit  
Santa Rosa Transit*

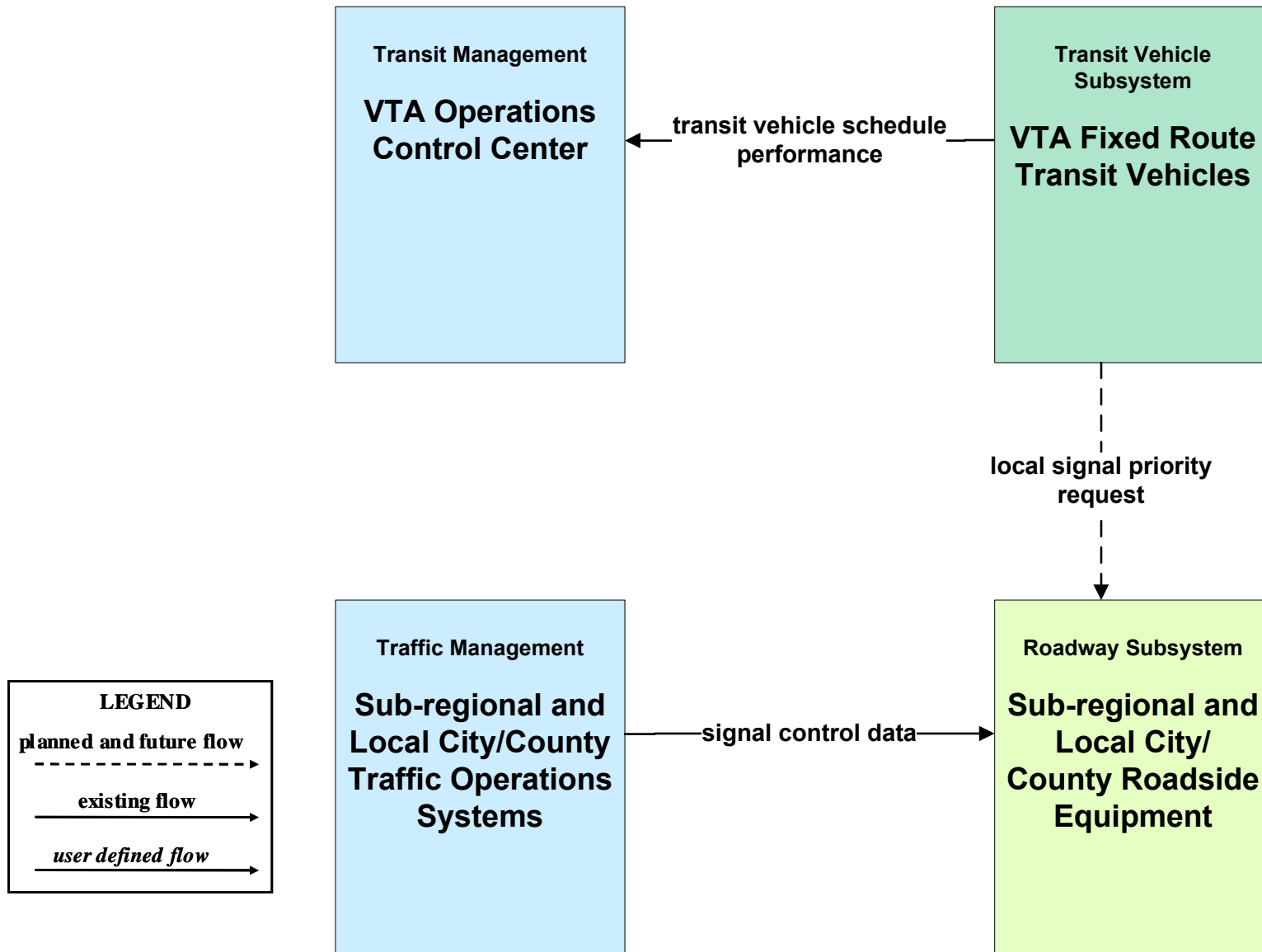
## LEGEND

planned and future flow  
existing flow  
user defined flow

# APTS09 - Transit Signal Priority Local City/County Transit Operations

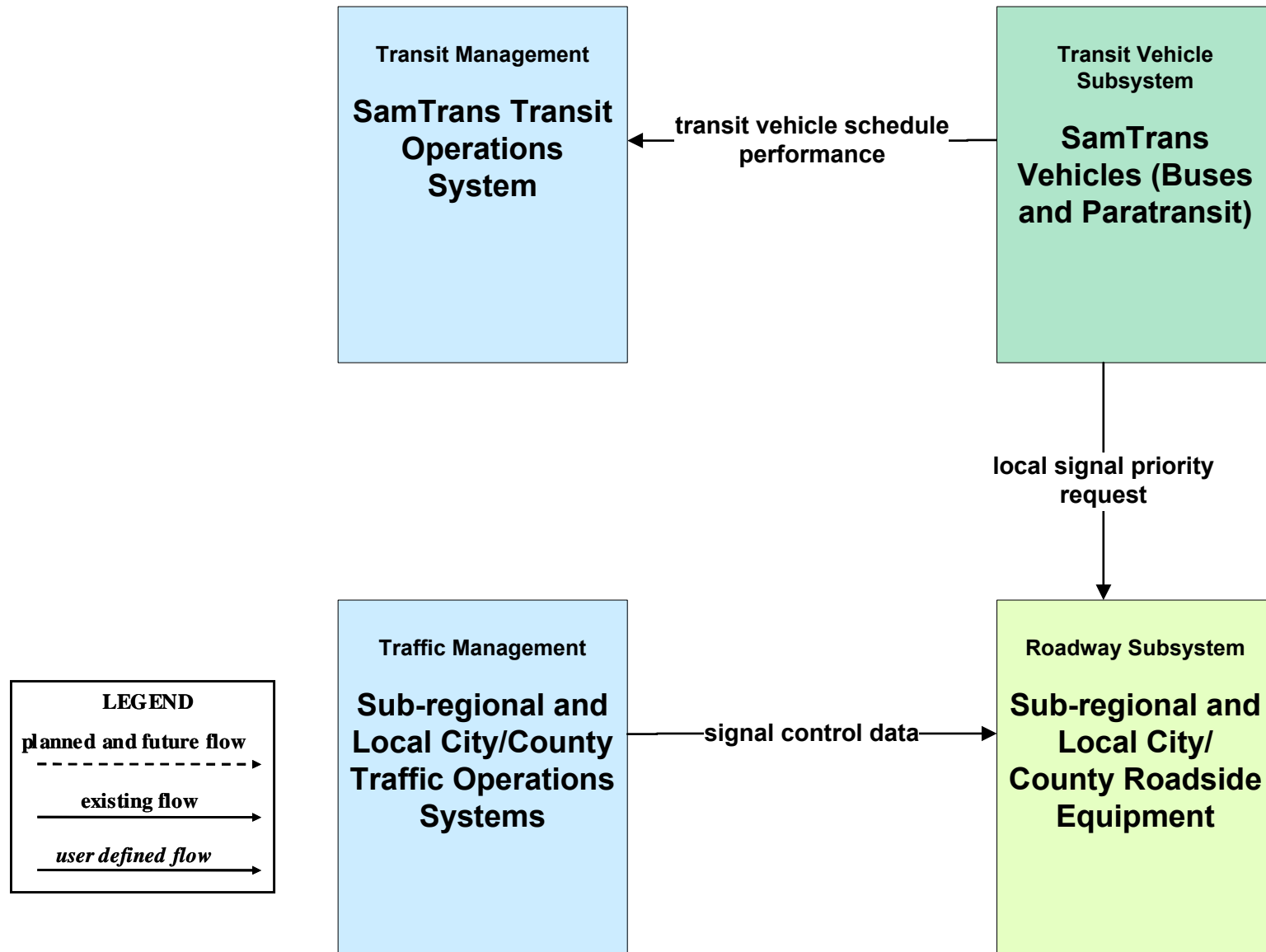


## APTS09 - Transit Signal Priority VTA Transit Operations (3 of 3)



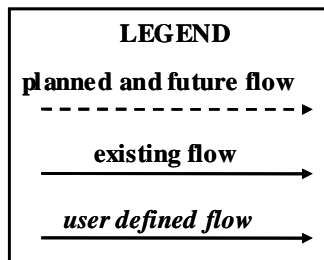
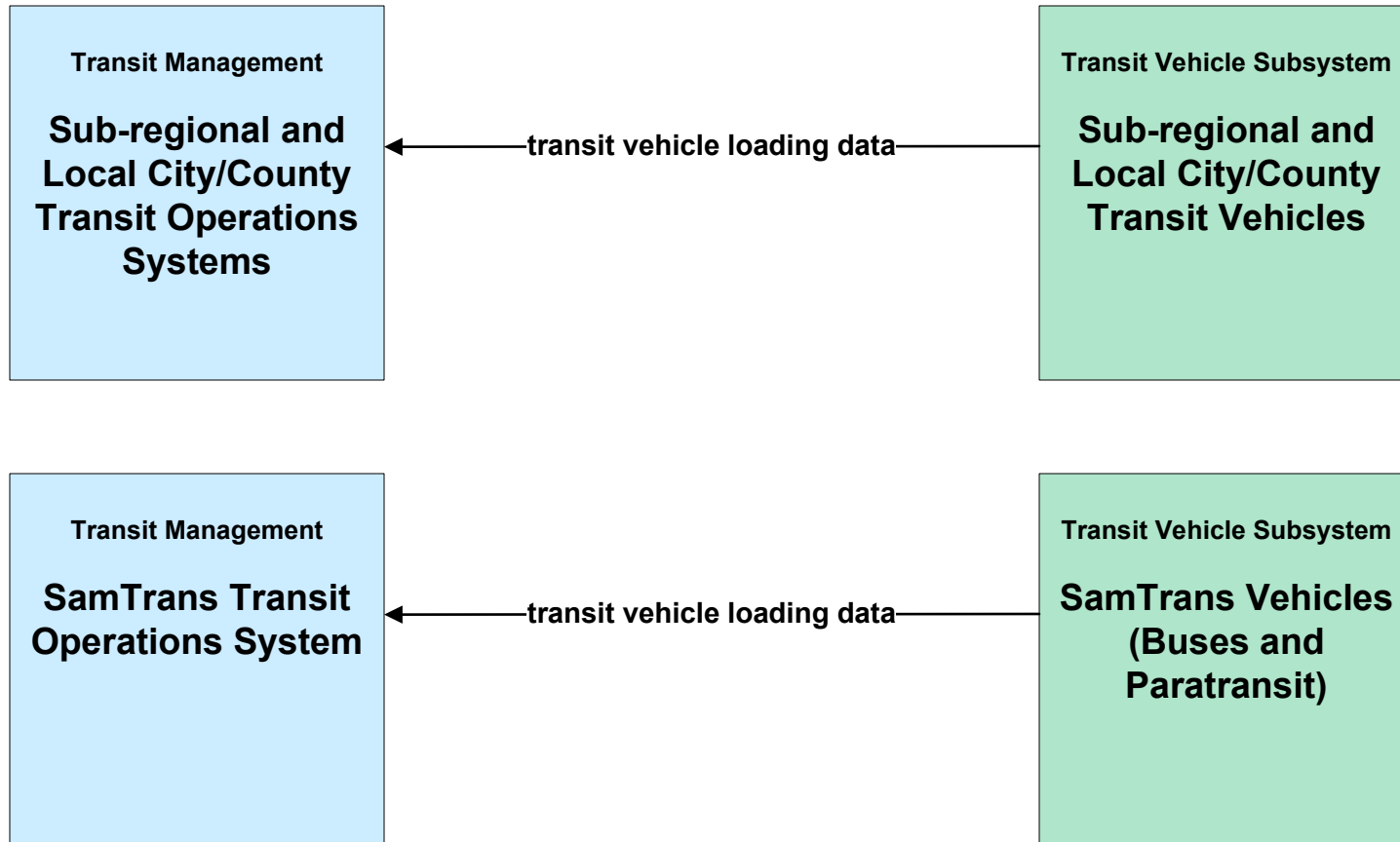


## APTS09 - Transit Signal Priority Sam Trans (3 of 3)



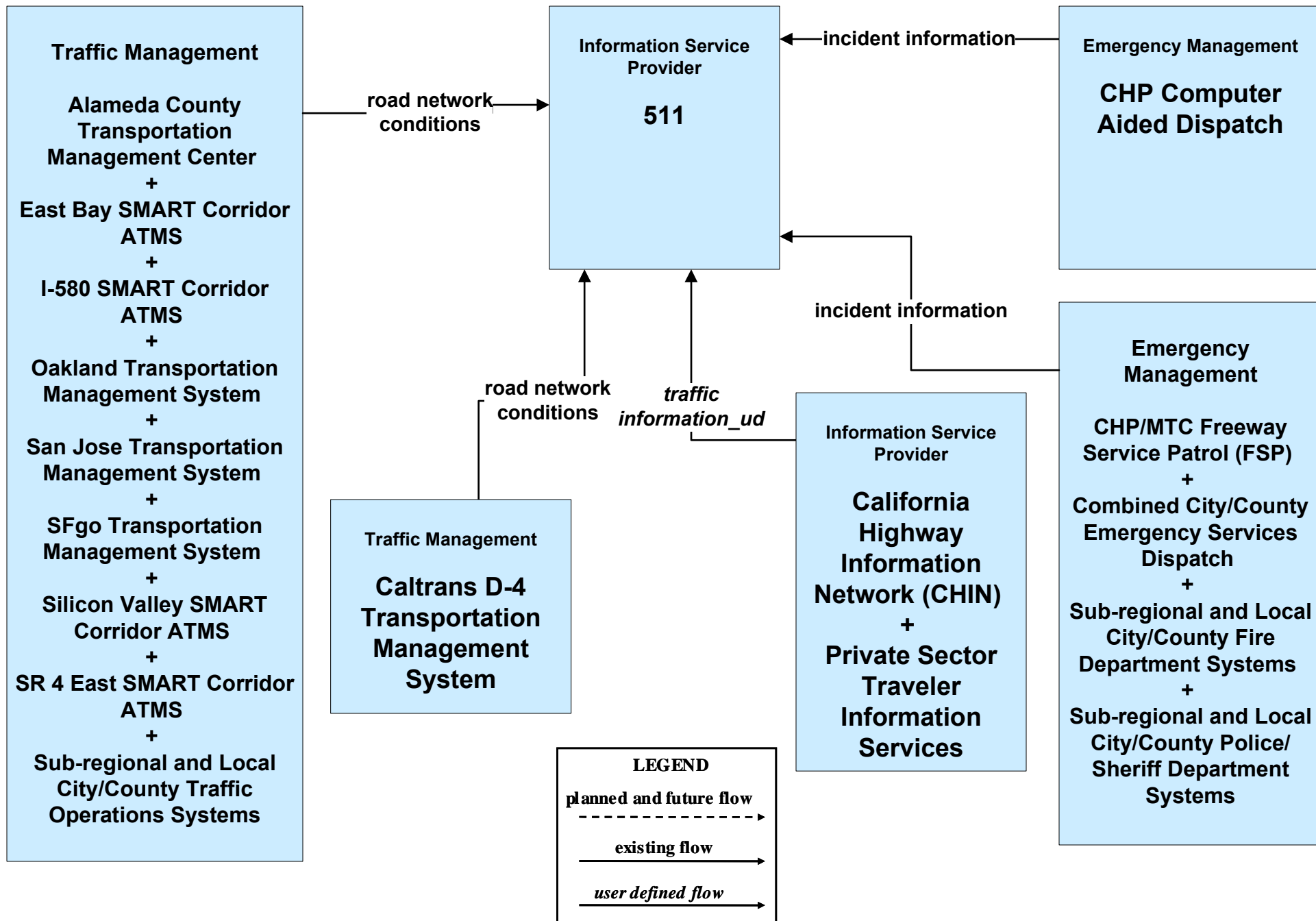
# APTS10 - Transit Passenger Counting

## Local Transit / SamTrans

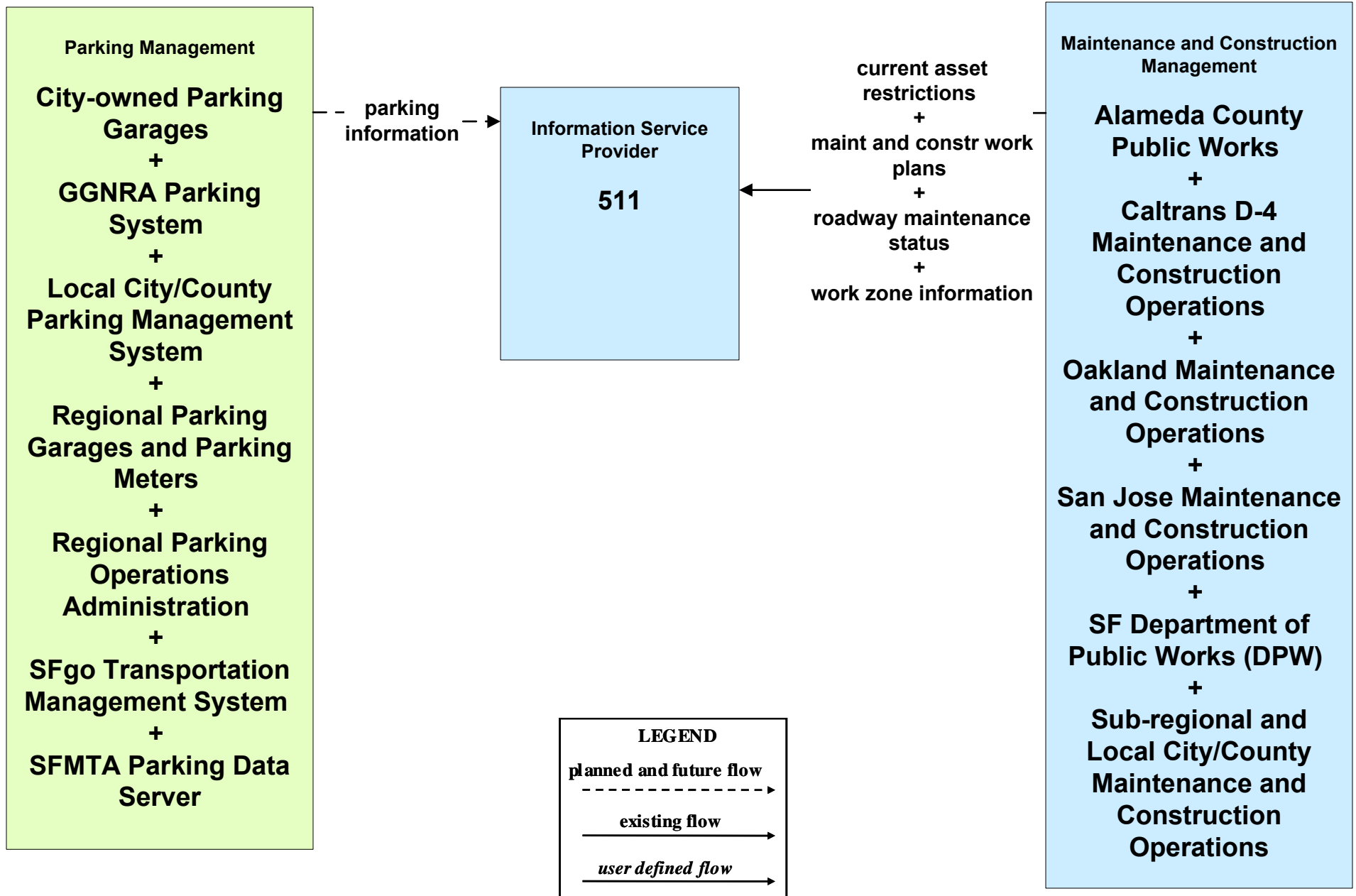


# ATIS01 - Broadcast Traveler Information

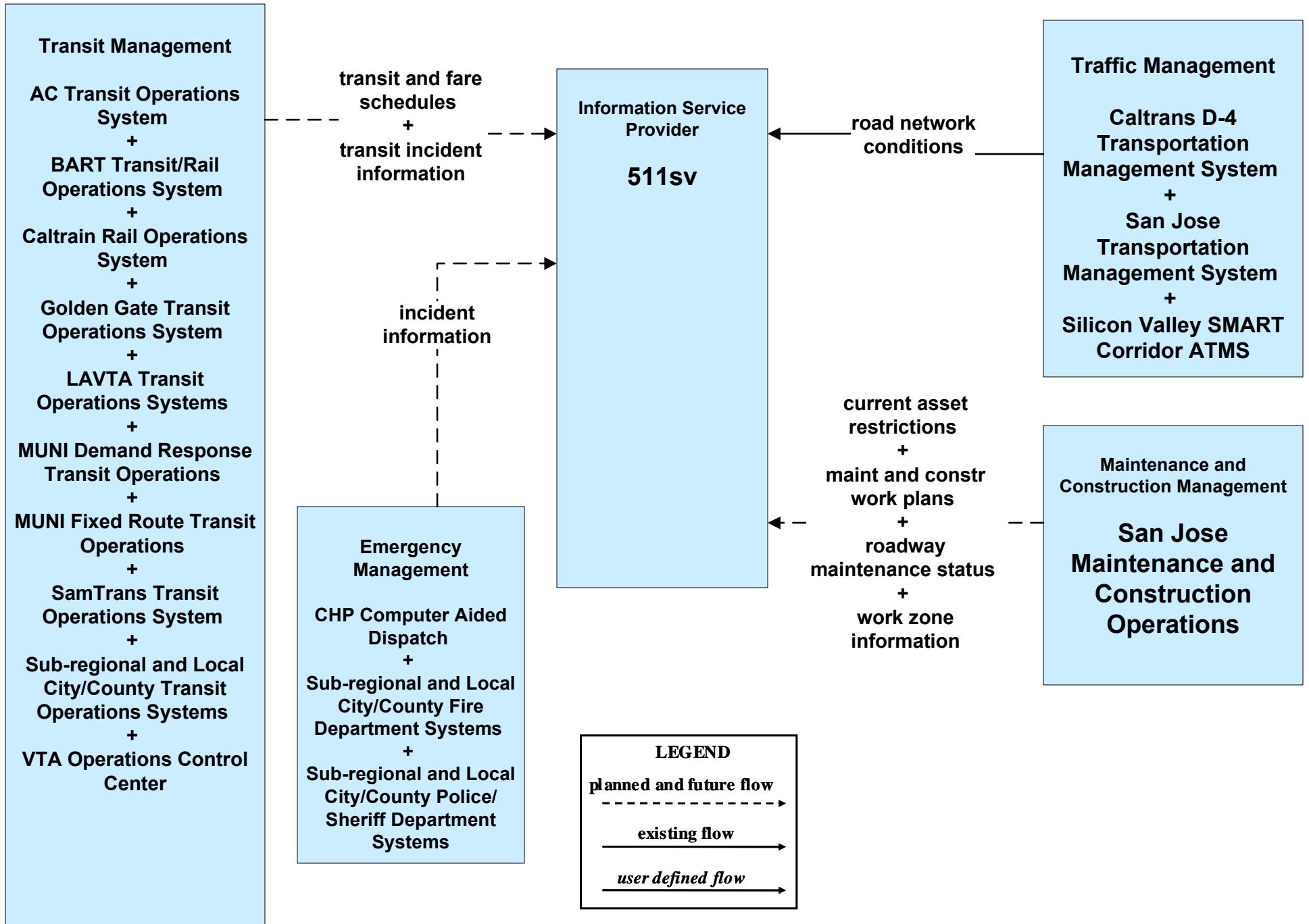
## 511 (Inputs) (1 of 2)



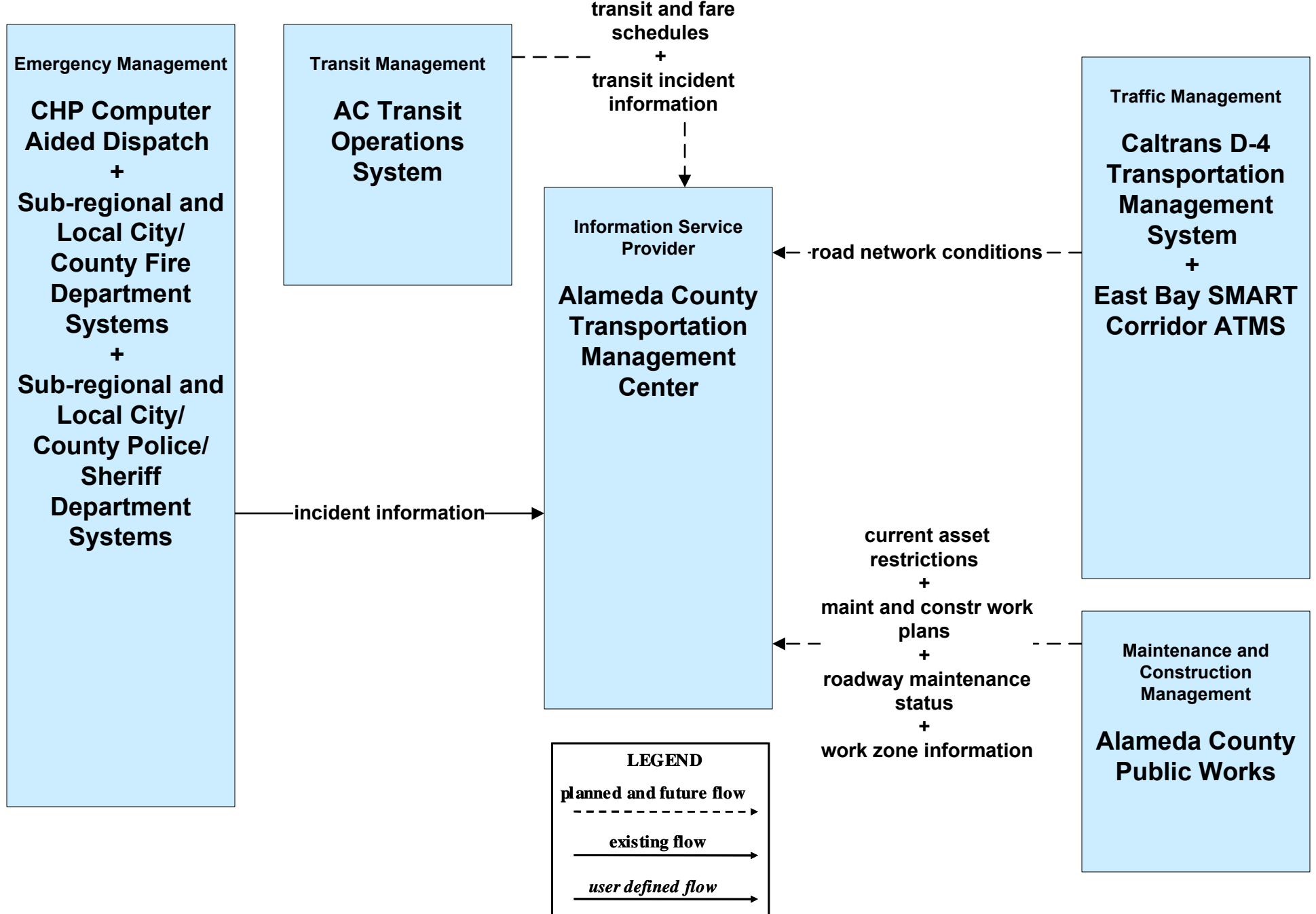
**ATIS01 - Broadcast Traveler Information  
511 (Inputs) (2 of 2)**



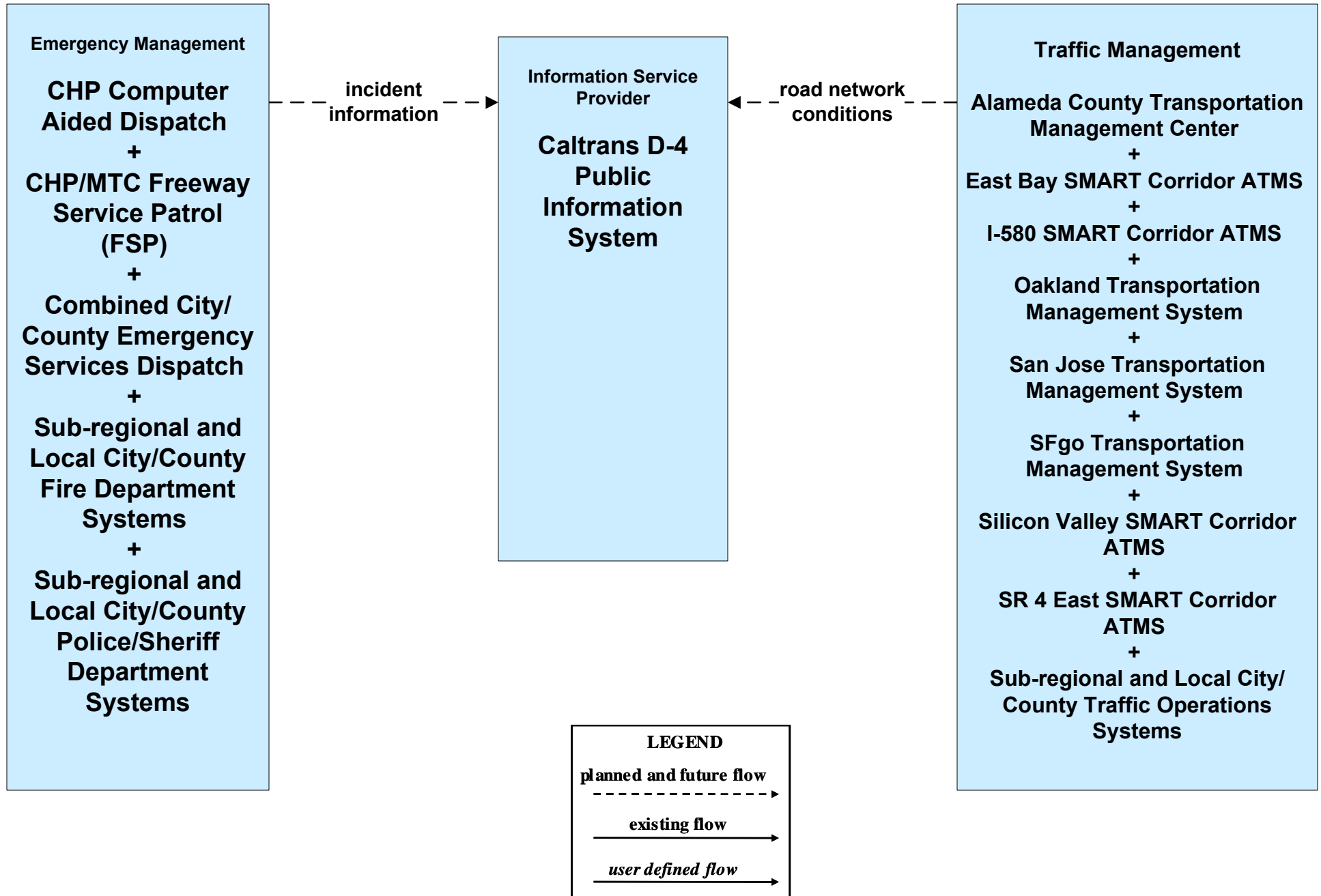
# ATIS01 - Broadcast Traveler Information 511sv.org (Inputs)



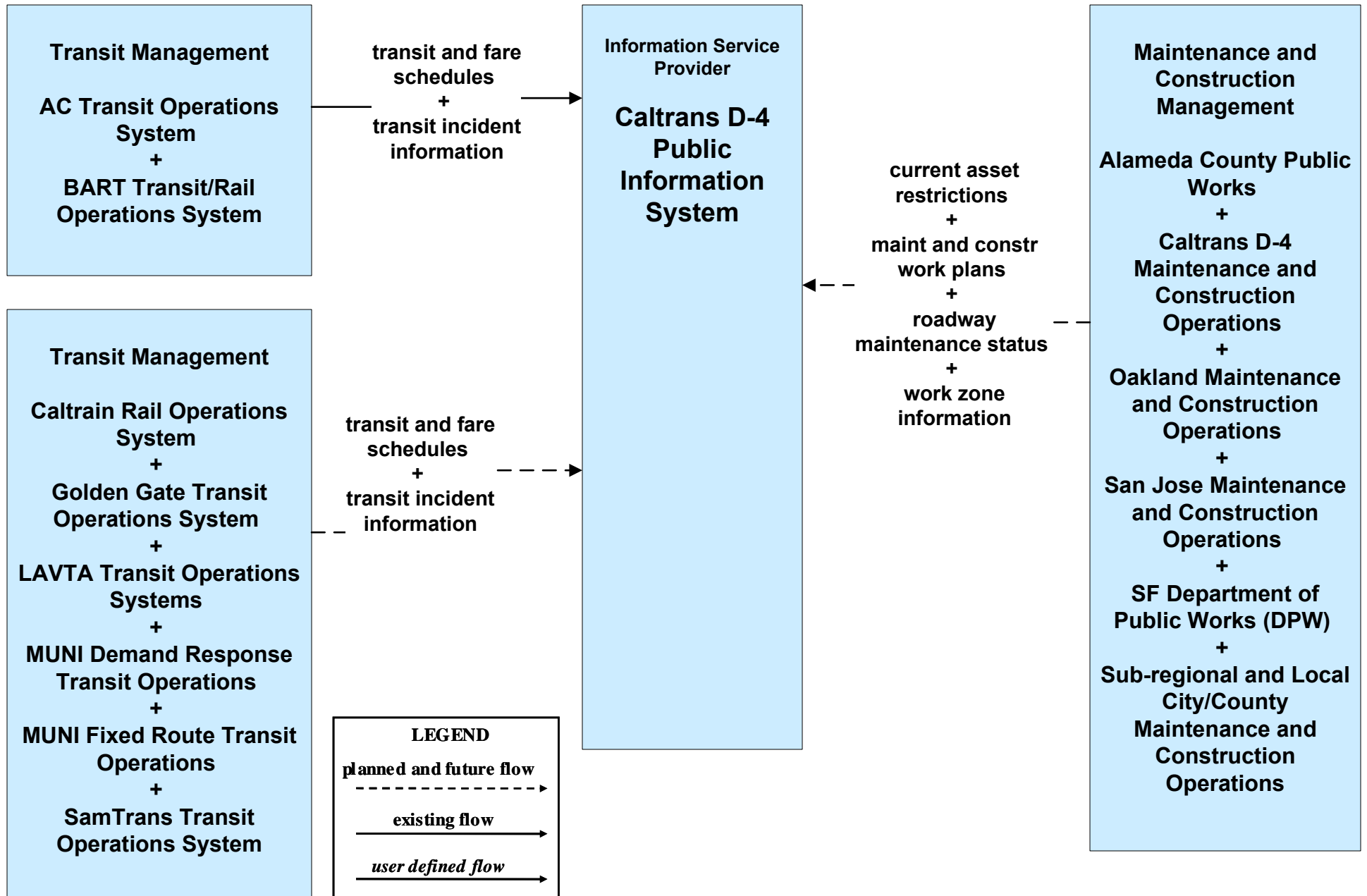
**ATIS01 - Broadcast Traveler Information**  
**Alameda County Public Information System (Inputs)**



**ATIS01 - Broadcast Traveler Information**  
**Caltrans D-4 Public Information System (Inputs) (1 of 2)**

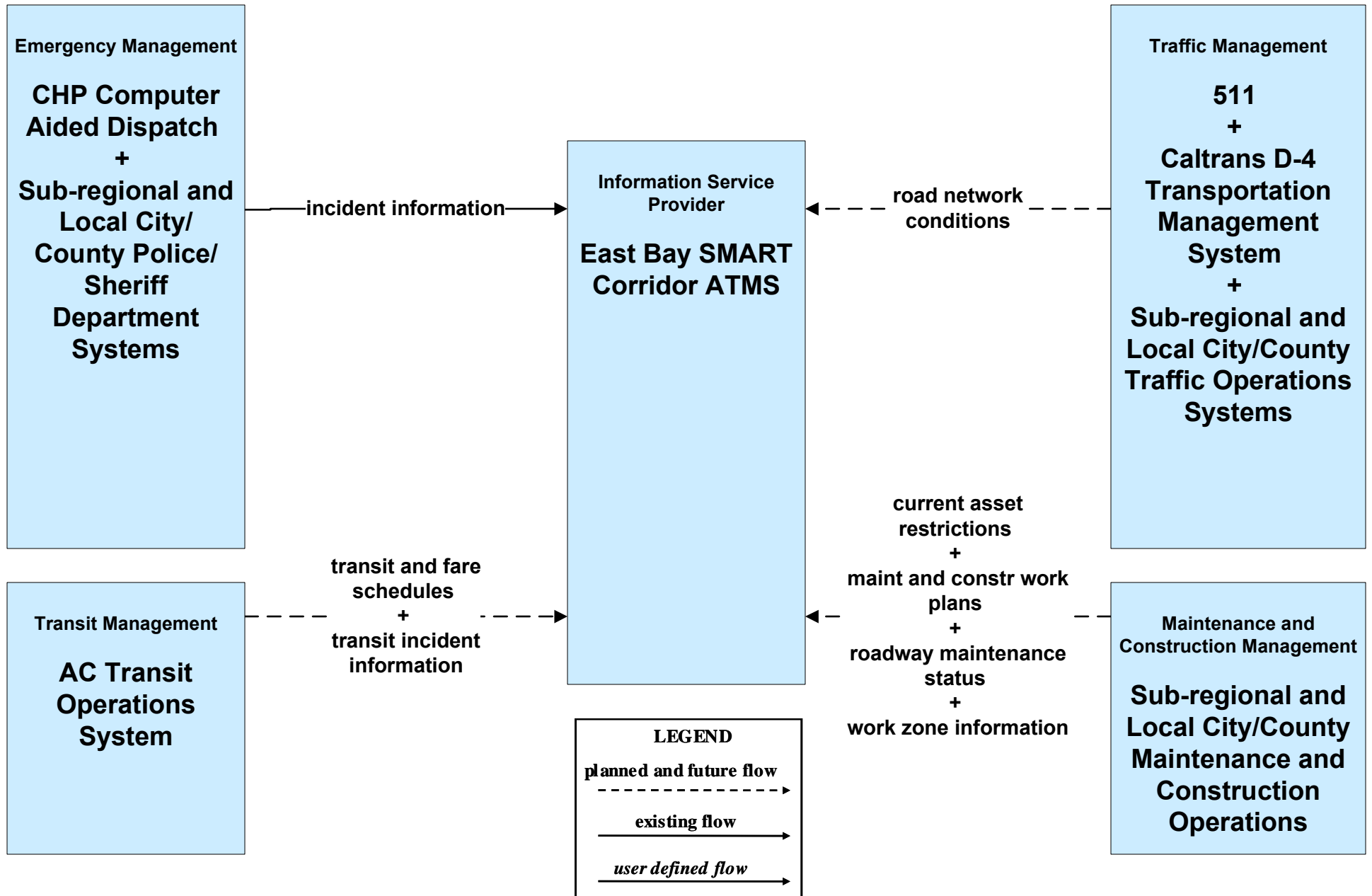


**ATIS01 - Broadcast Traveler Information**  
**Caltrans D-4 Public Information System (Inputs) (2 of 2)**

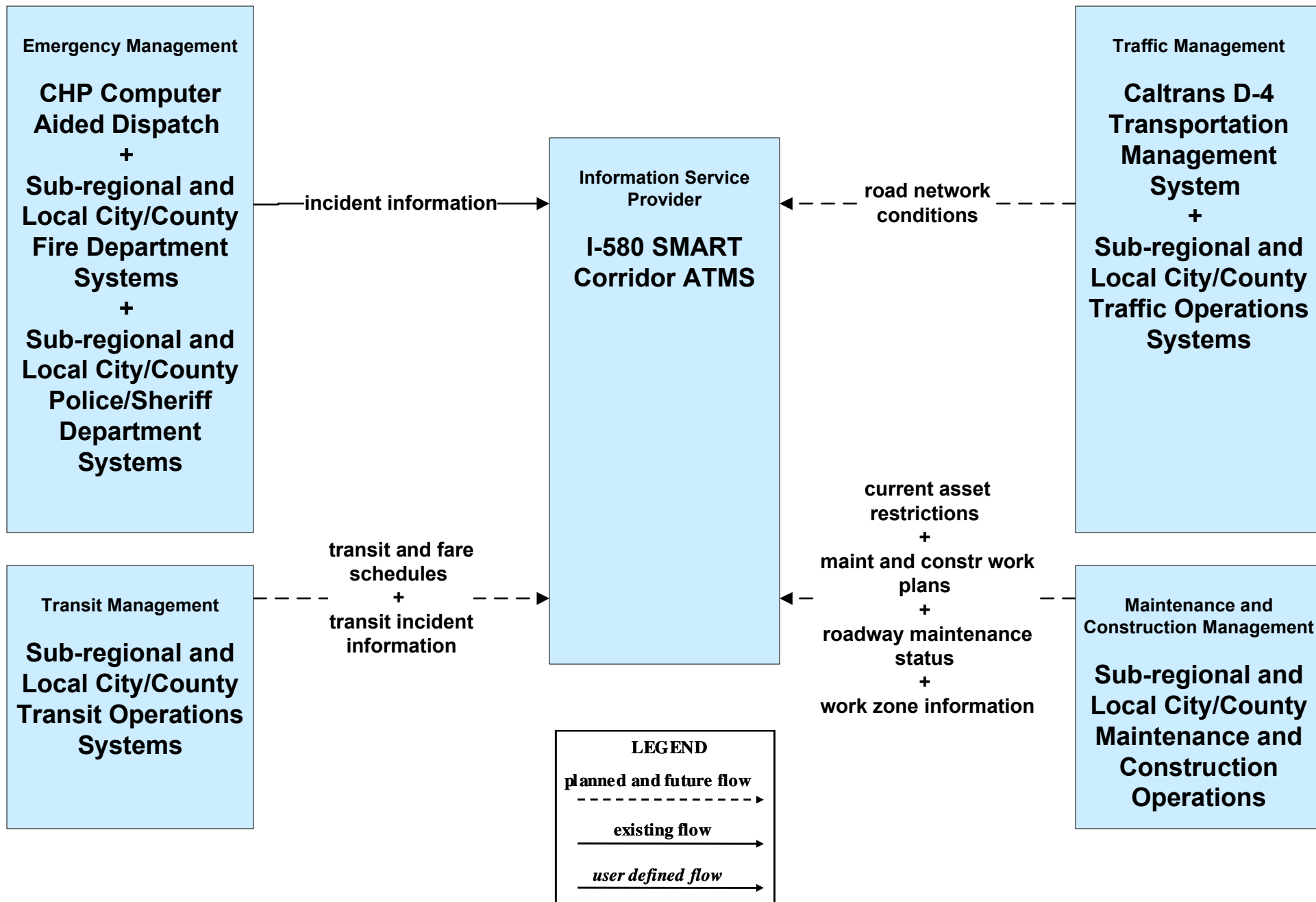




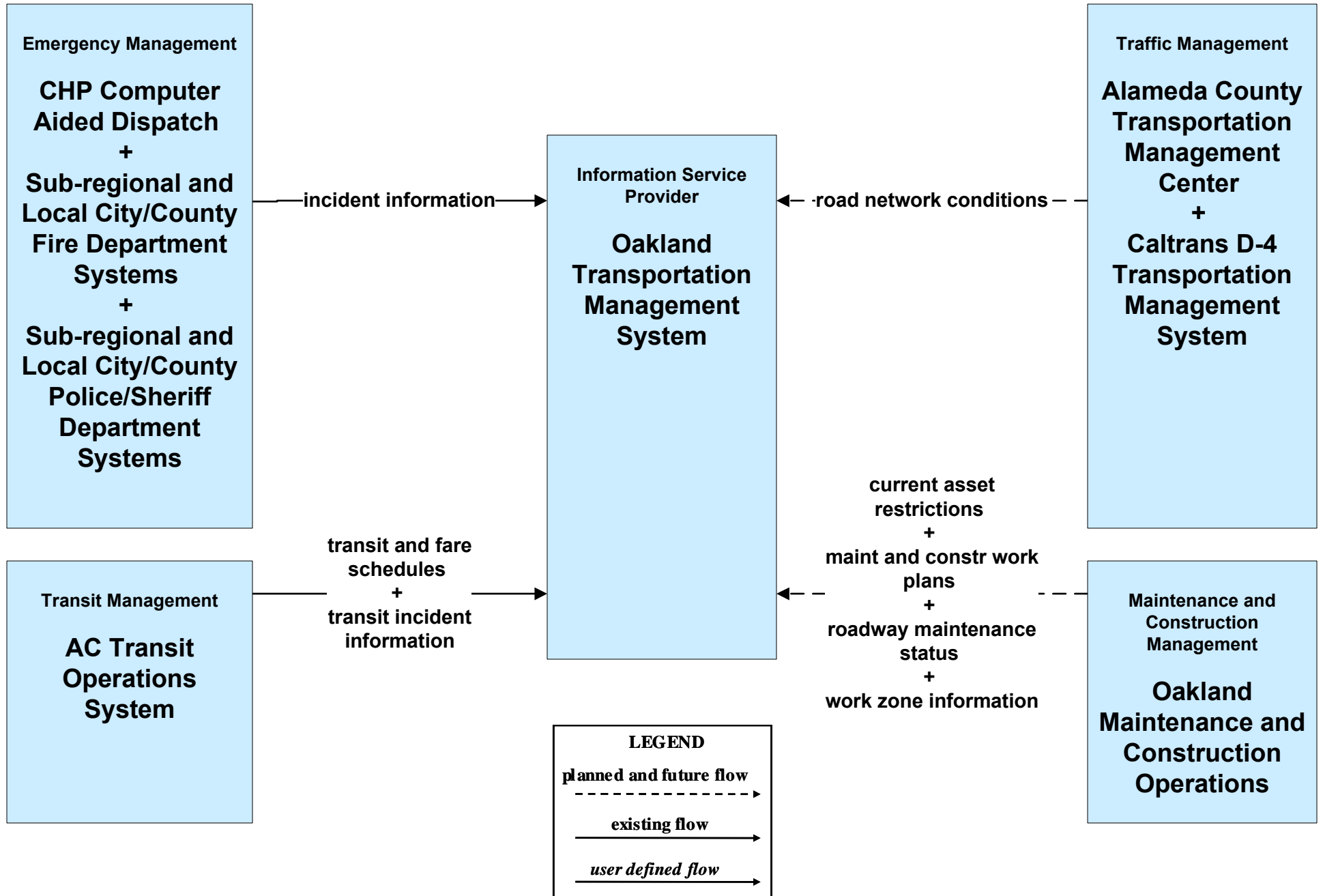
**ATIS01 - Broadcast Traveler Information**  
**East Bay SMART Corridor Public Information System (Inputs)**



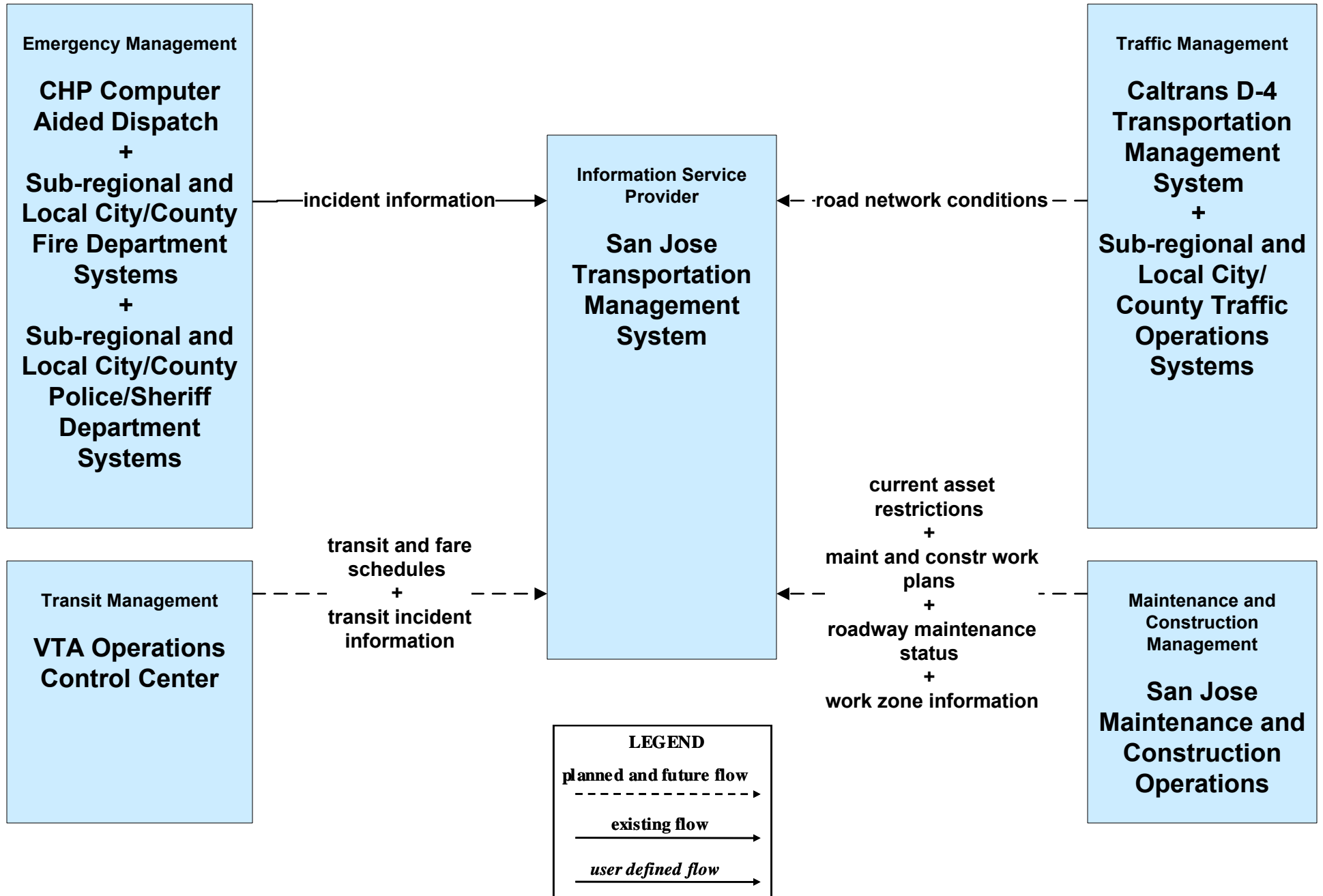
**ATIS01 - Broadcast Traveler Information  
I-580 SMART Corridor Public Information System (Inputs)**



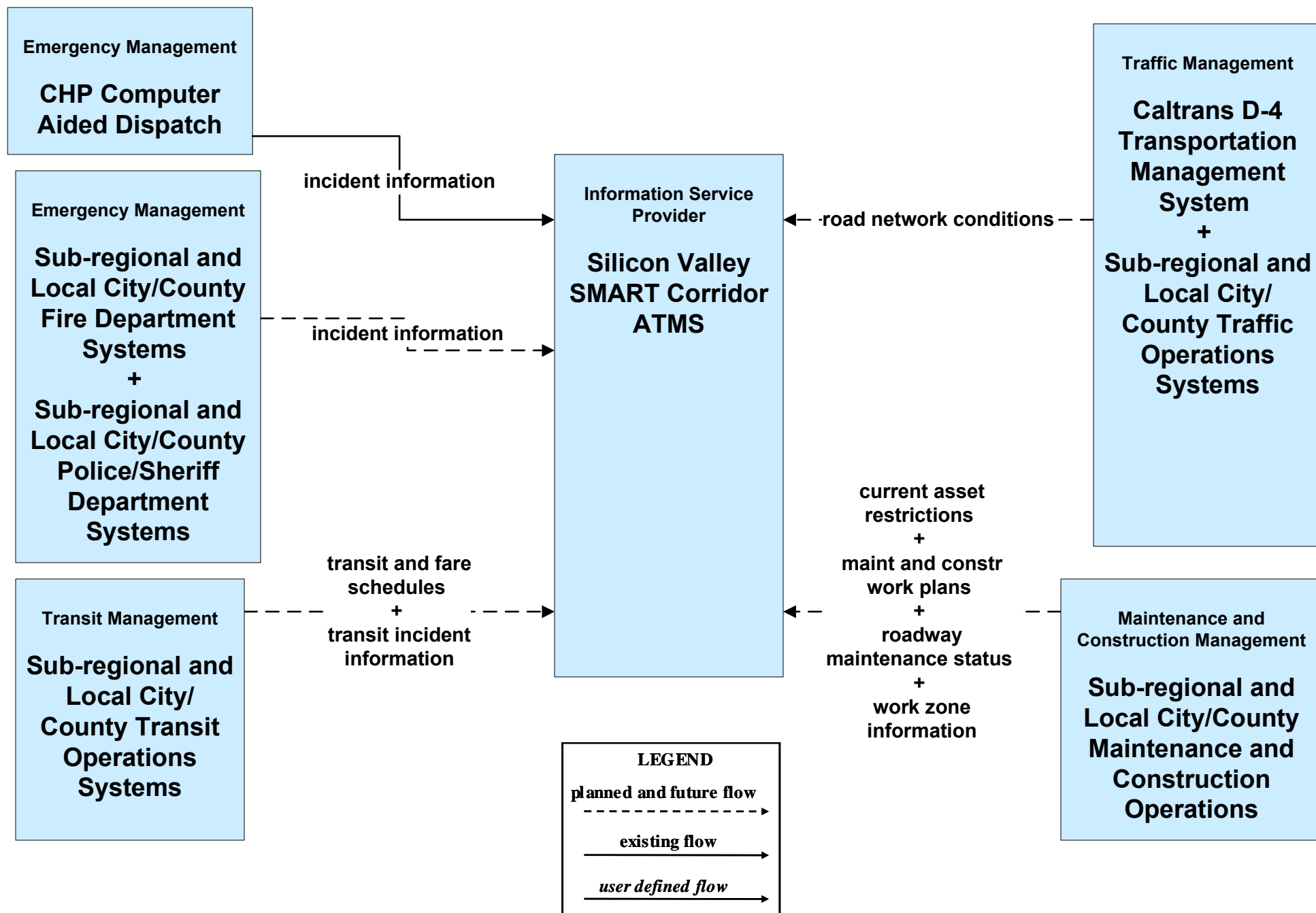
# ATIS01 - Broadcast Traveler Information Oakland Public Information System (Inputs)



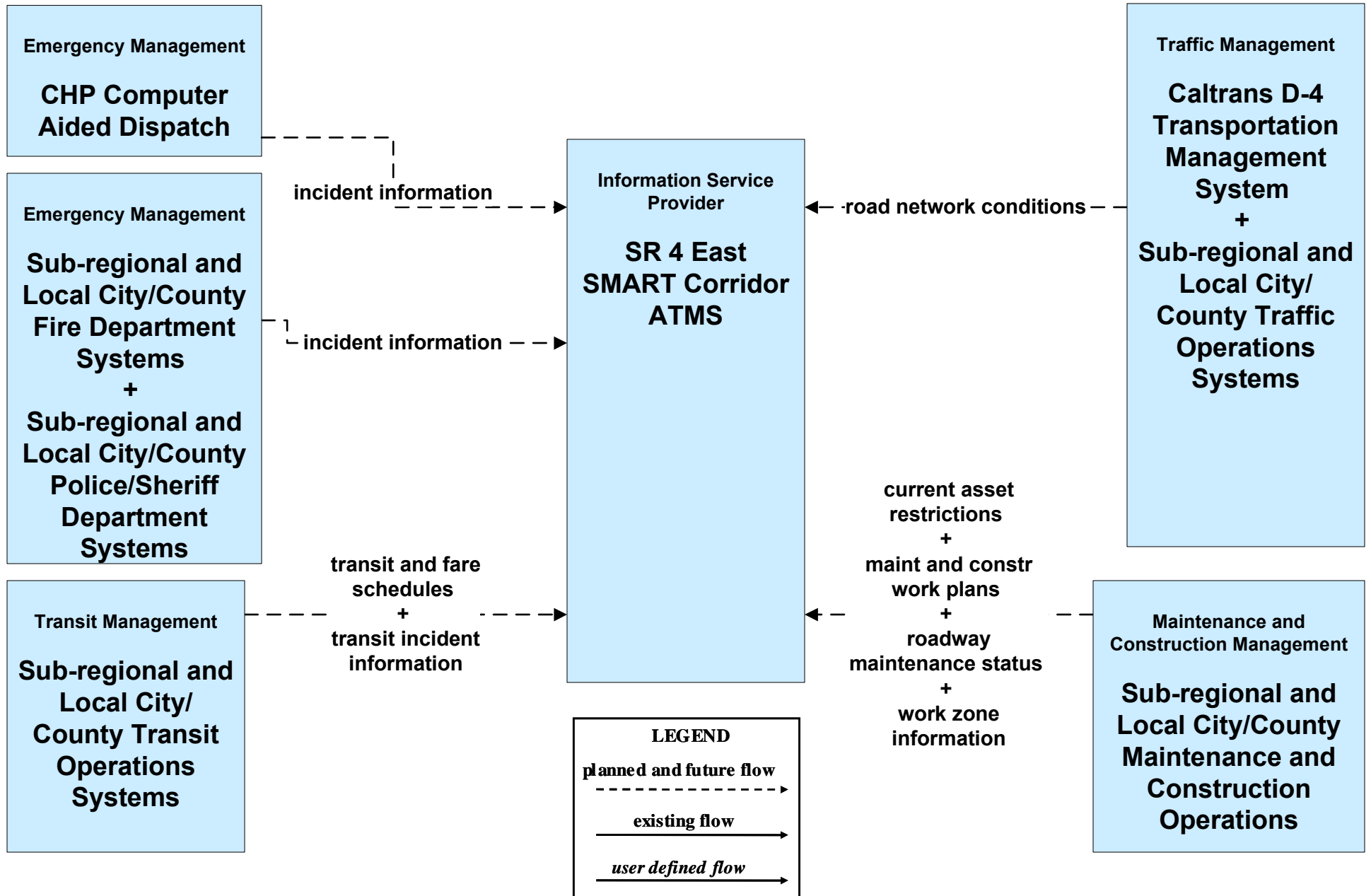
**ATIS01 - Broadcast Traveler Information  
San Jose Public Information System (Inputs)**



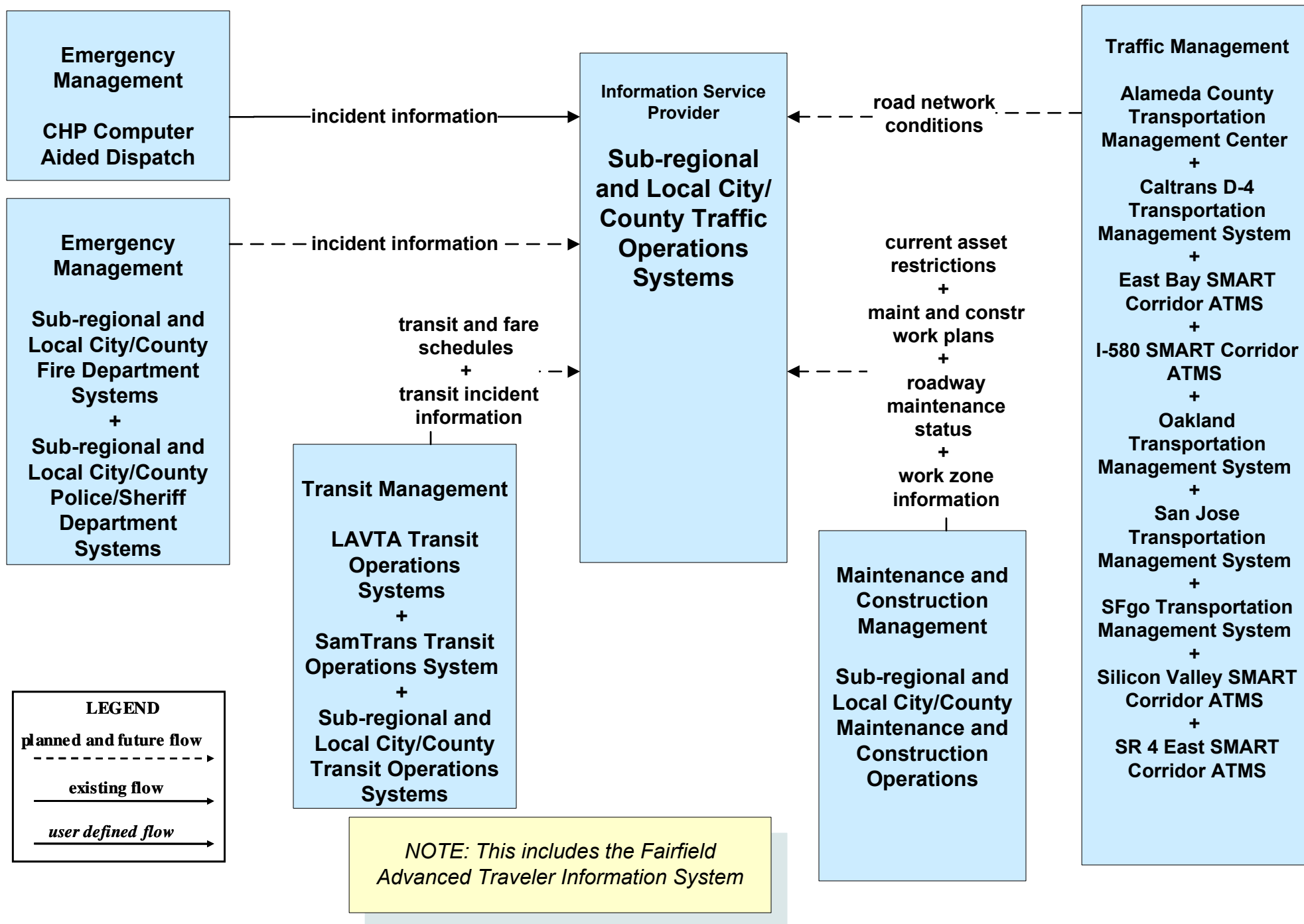
**ATIS01 - Broadcast Traveler Information  
Silicon Valley Public Information System (Inputs)**



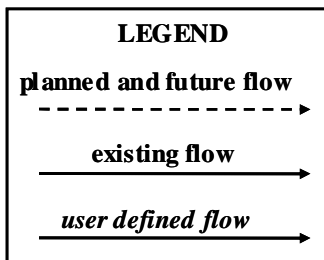
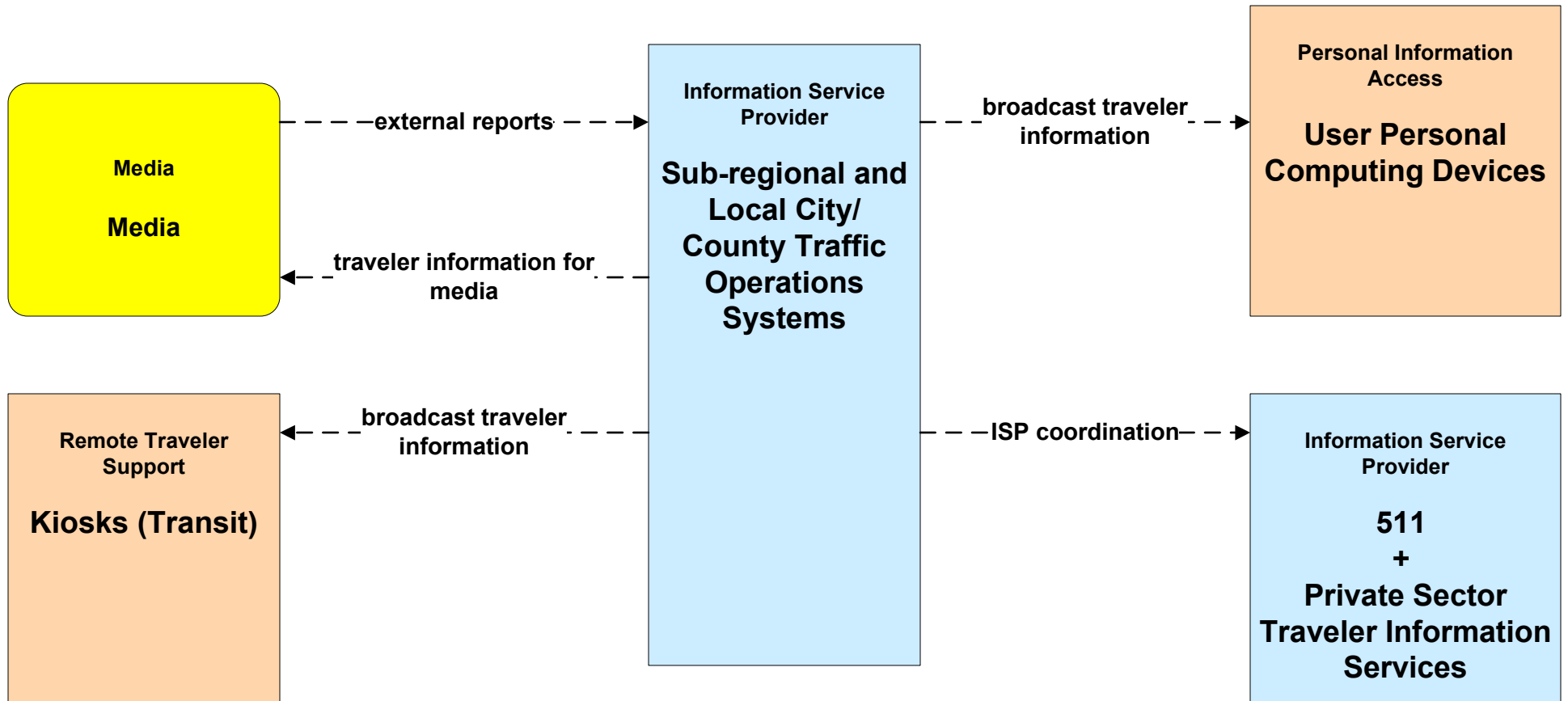
**ATIS01 - Broadcast Traveler Information  
SR 4 East Public Information System (Inputs)**



# **ATIS01 - Broadcast Traveler Information** **Local City/County Public Information System (Inputs)**



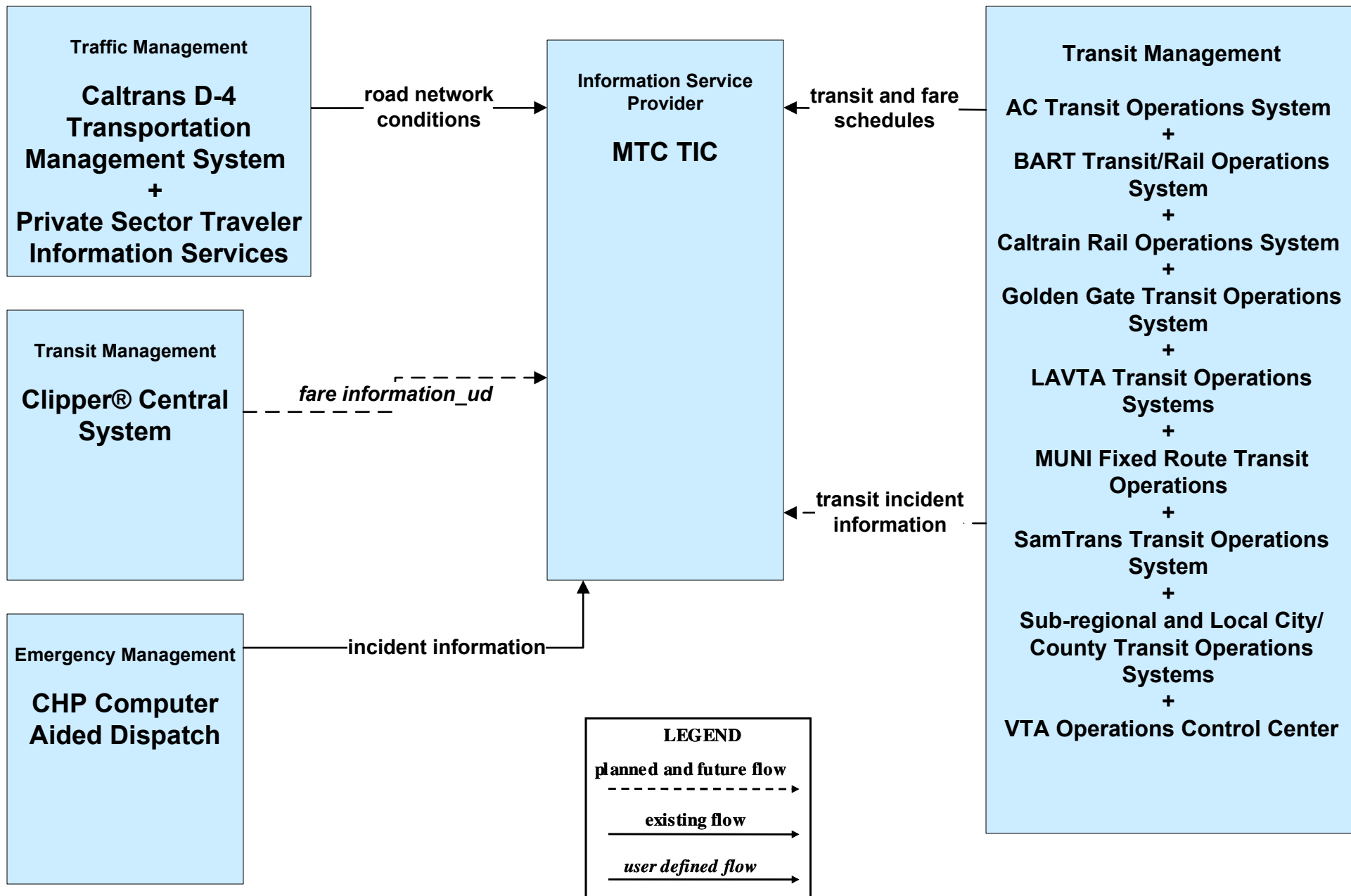
**ATIS01 - Broadcast Traveler Information  
Local City/County Public Information System (Outputs)**



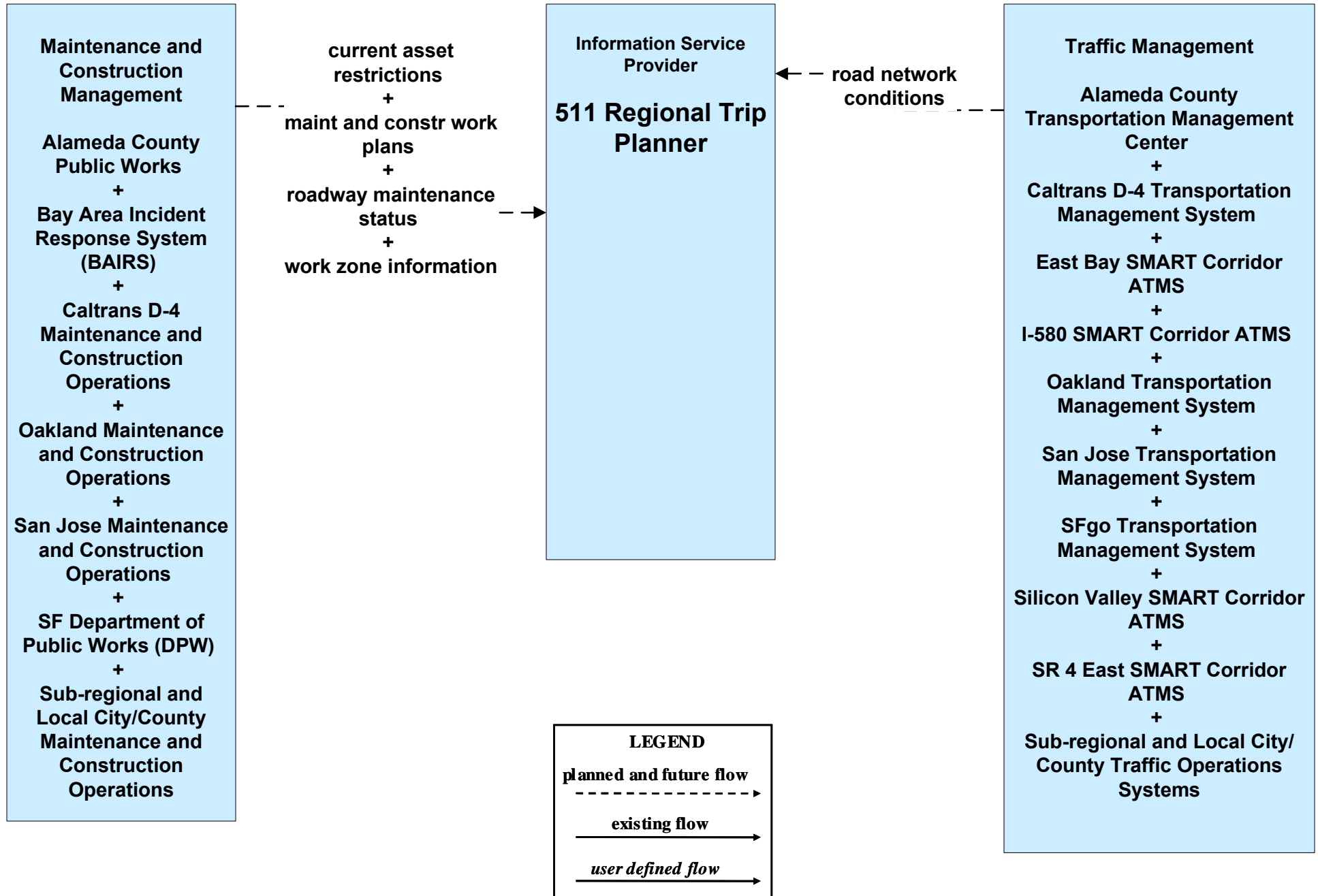
*NOTE: This includes the  
Fairfield Advanced Traveler  
Information System*



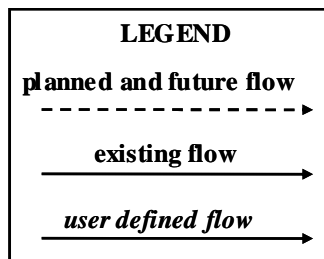
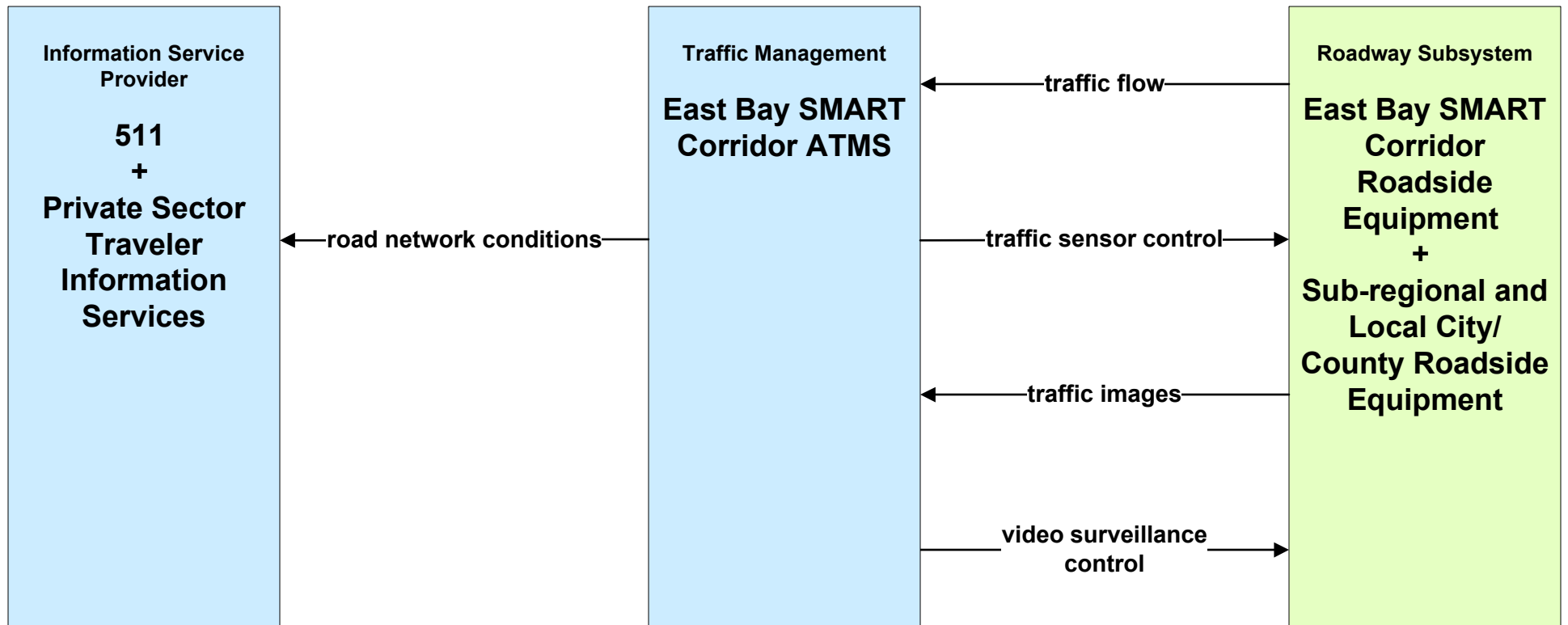
# ATIS1 - Broadcast Traveler Information MTC TIC (Inputs)



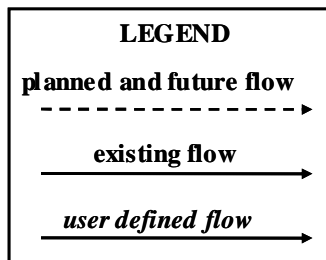
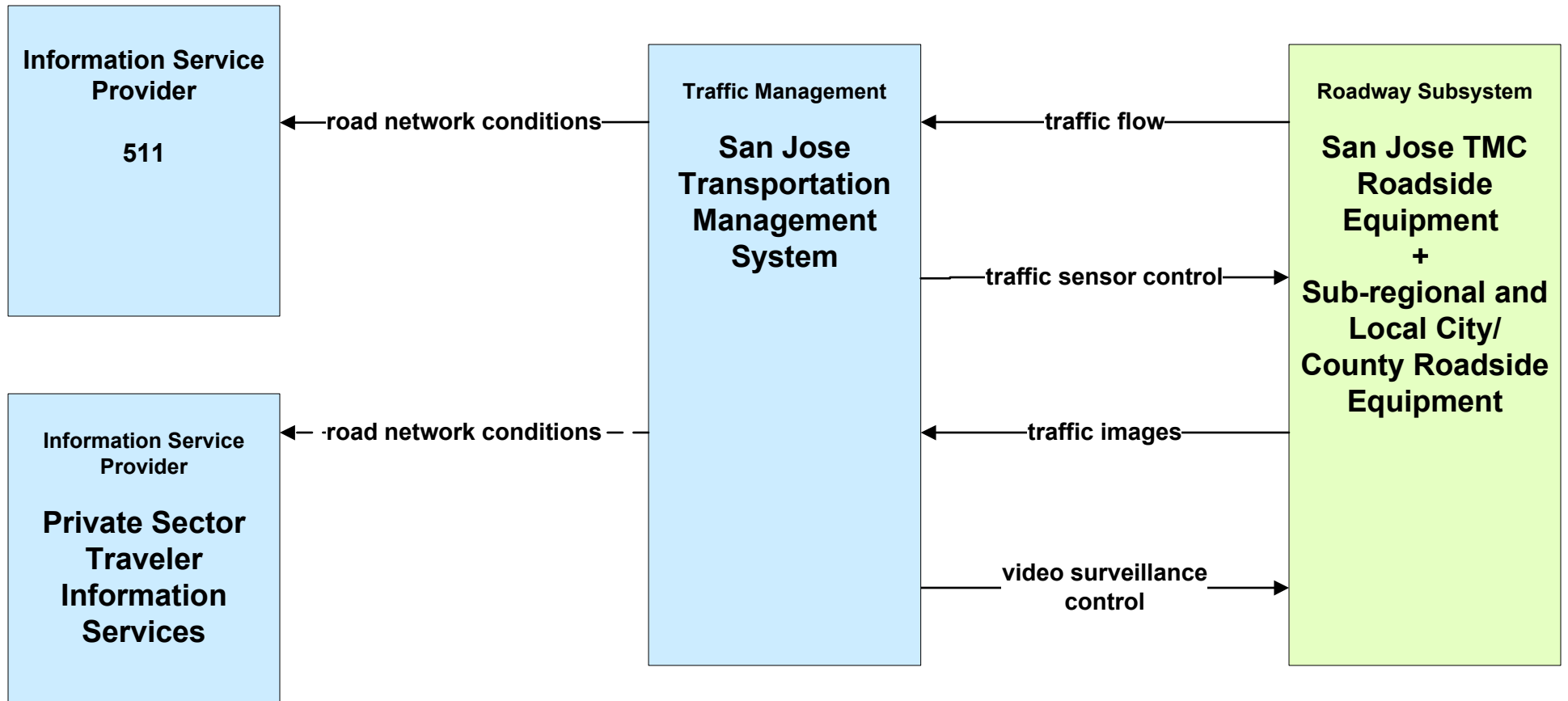
## ATIS02 - Interactive Traveler Information 511 Regional Trip Planner (Inputs) (1 of 3)



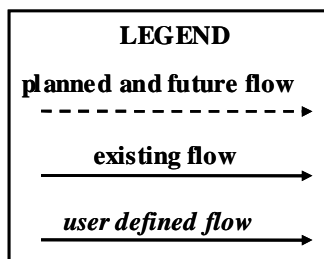
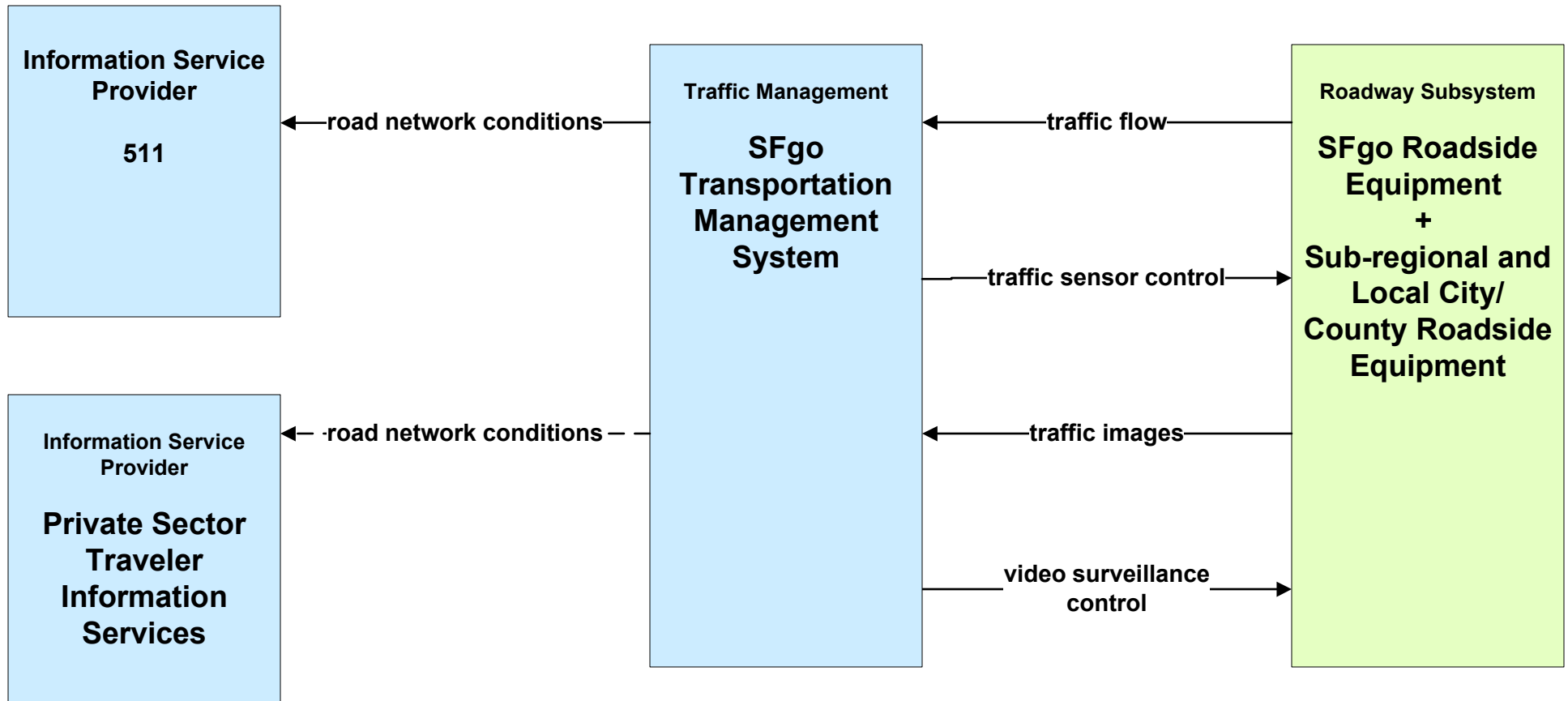
# ATMS01 - Network Monitoring East Bay SMART Corridor ATMS



# ATMS01 - Network Surveillance San Jose Transportation Management System

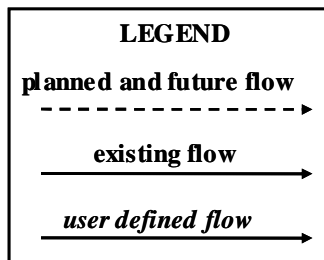
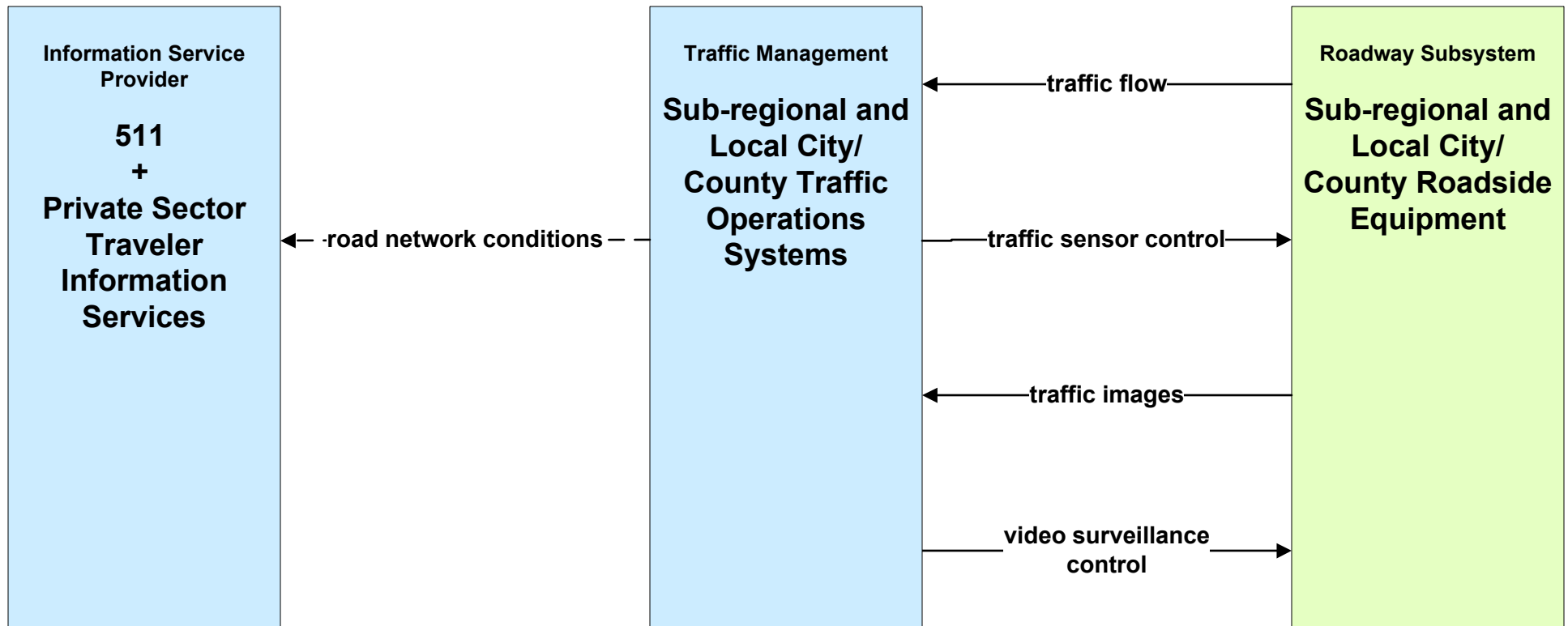


# ATMS01 - Network Surveillance SFgo Transportation Management System



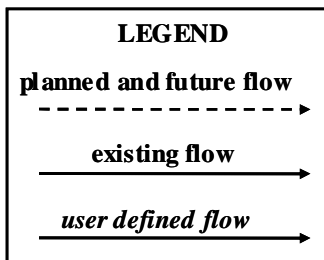
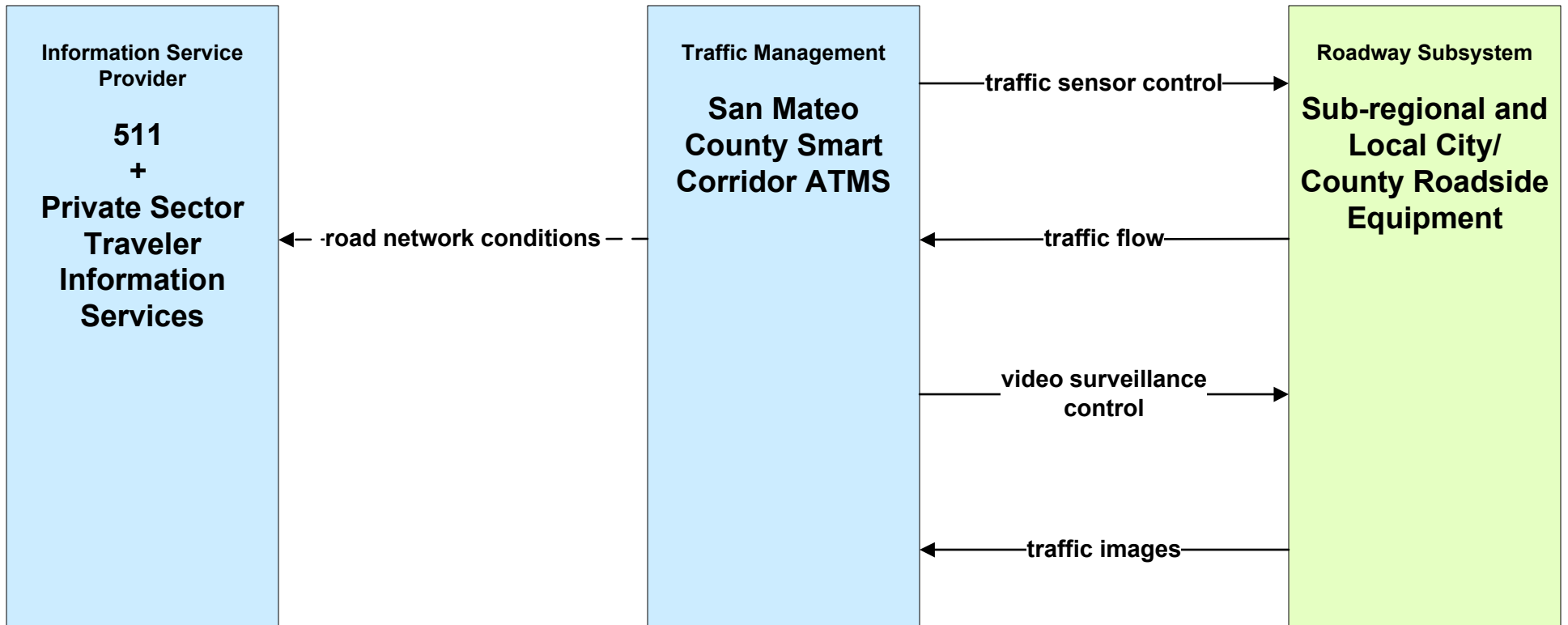
# ATMS01 - Network Surveillance

## Sub-regional and Local City/County Traffic Operations Systems

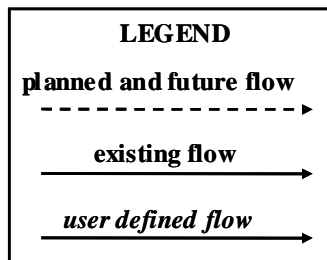
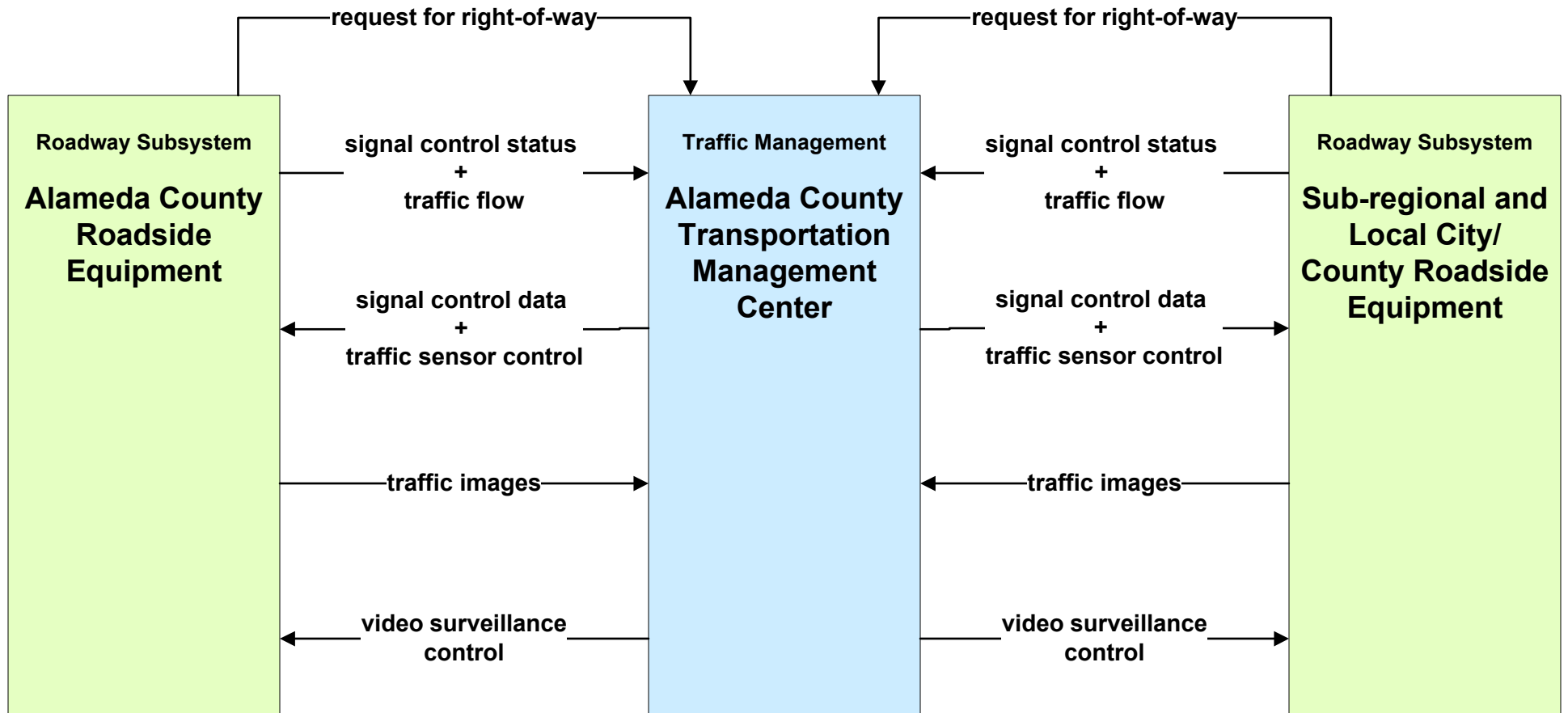


*NOTE: Local City/County includes but is not limited to the cities of Antioch, Campbell, Cupertino, Fremont, Gilroy, Livermore, Pleasant Hill, Pleasanton, Redwood City, San Leandro, Santa Clara, Vallejo, Atherton, Belmont, Brisbane, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Pacifica, Portola Valley, Redwood City, San Bruno, San Carlos, San Mateo, South San Francisco, Woodside, and counties including Alameda, Contra Costa, San Mateo, Santa Clara, and Solano*

# ATMS01 - Network Surveillance San Mateo County Smart Corridor

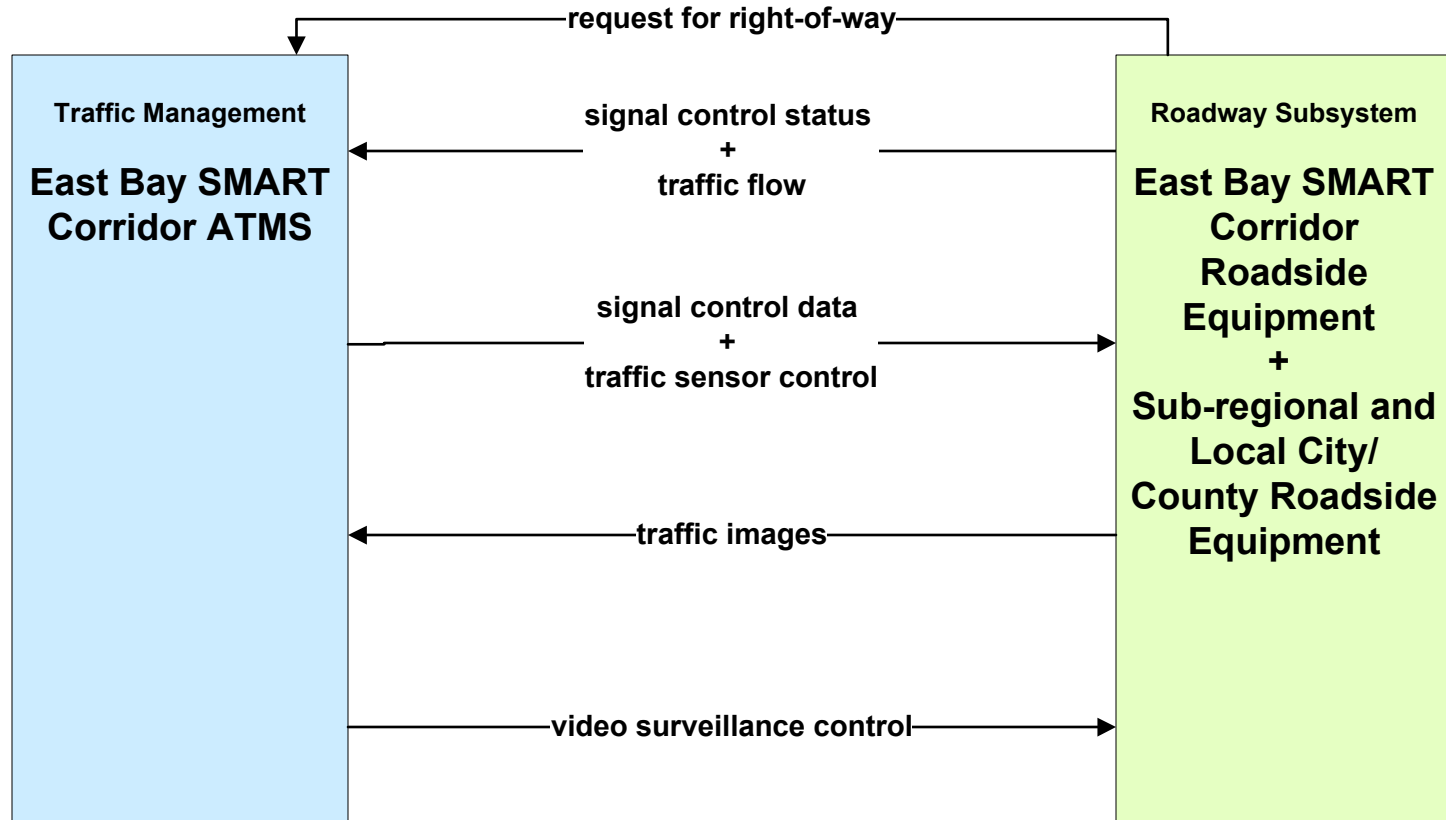


# ATMS03 - Surface Street Control Alameda County TMC



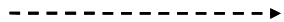


## ATMS03 - Surface Street Control East Bay SMART Corridor



### LEGEND

**planned and future flow**



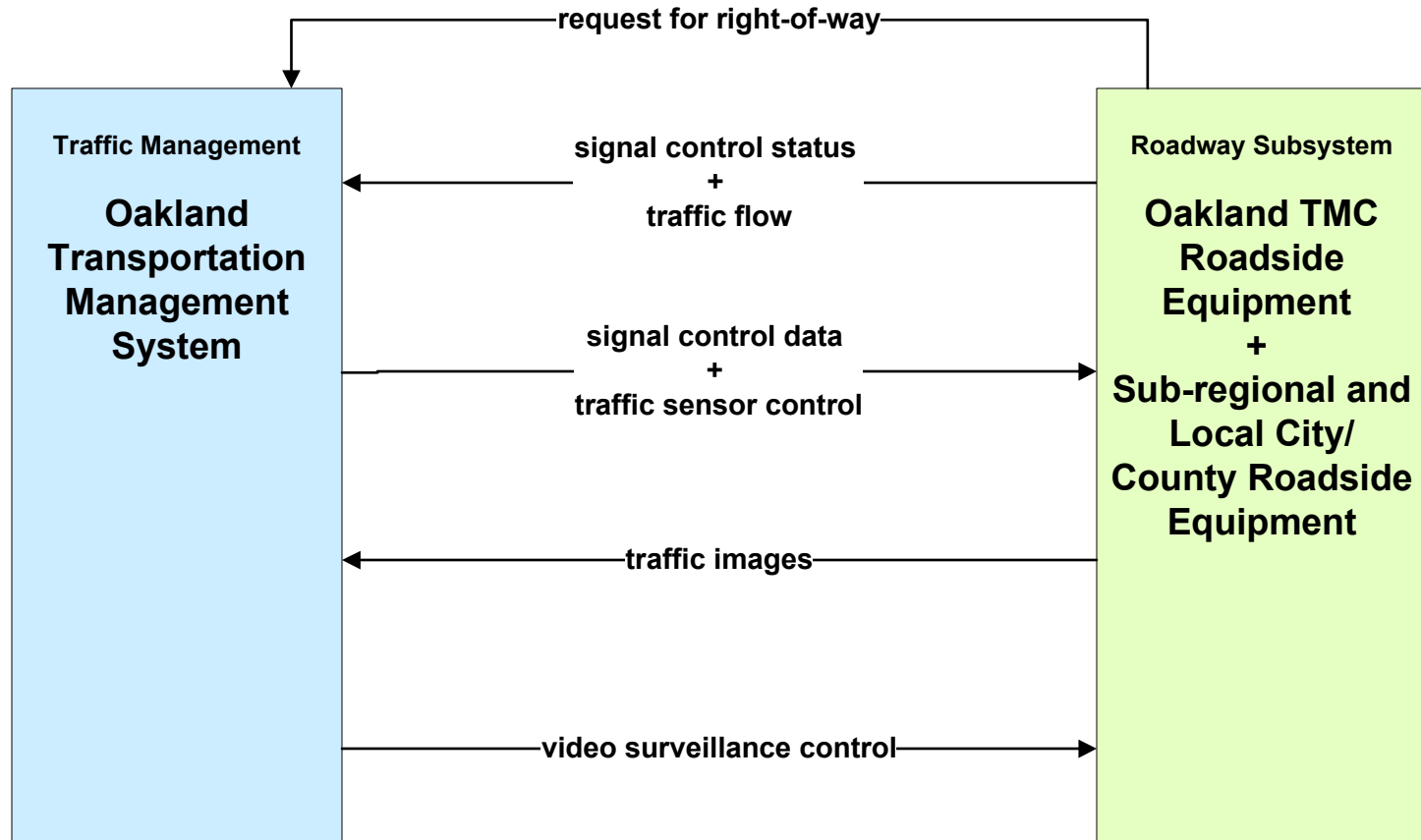
**existing flow**



***user defined flow***



## ATMS03 - Surface Street Control Oakland TMS



### LEGEND

**planned and future flow**



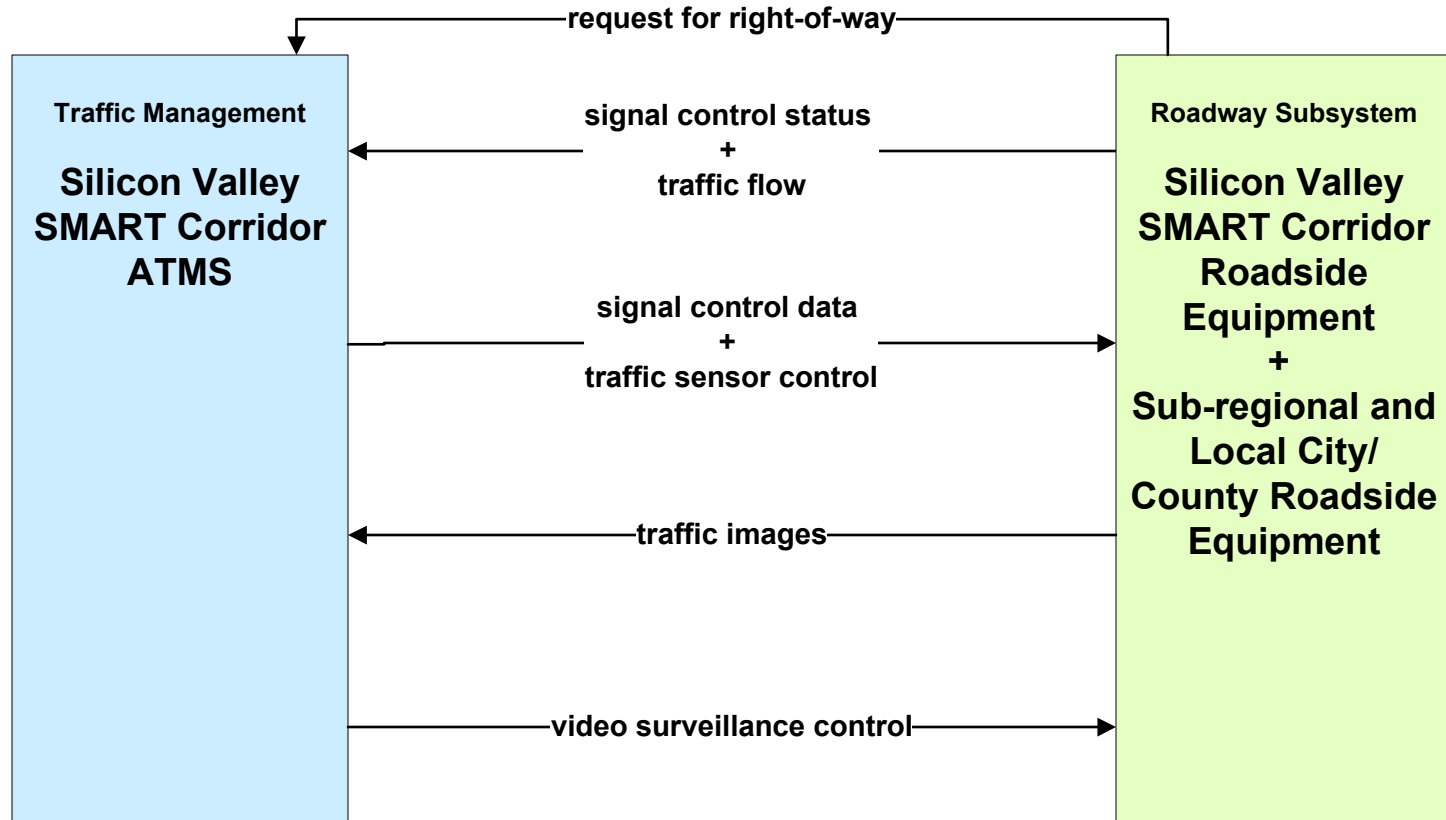
**existing flow**



***user defined flow***

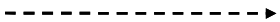


## ATMS03 - Surface Street Control Silicon Valley ATMS



### LEGEND

**planned and future flow**



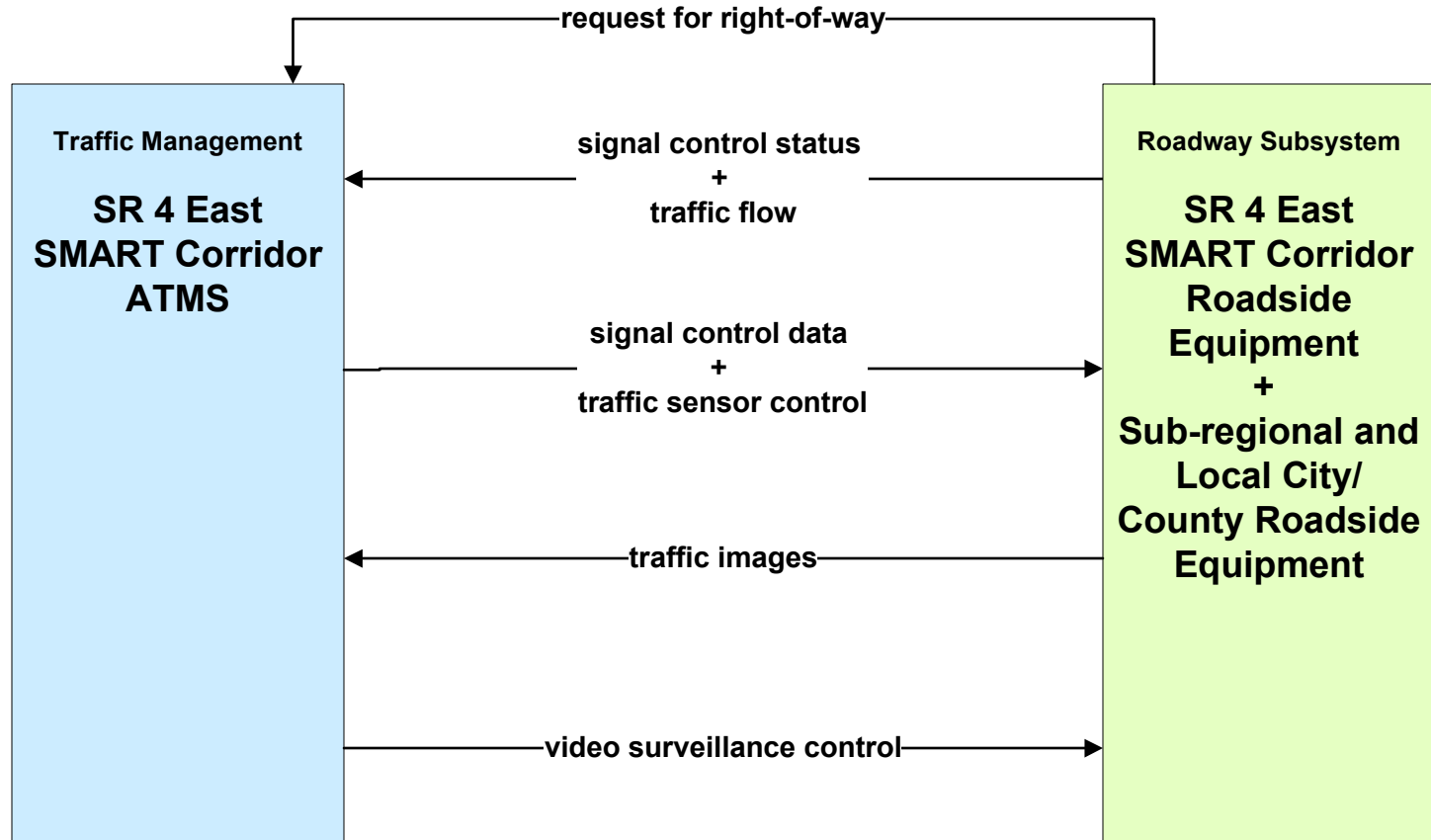
**existing flow**



***user defined flow***



# ATMS03 - Surface Street Control SR 4 ATMS



## LEGEND

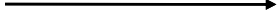
planned and future flow



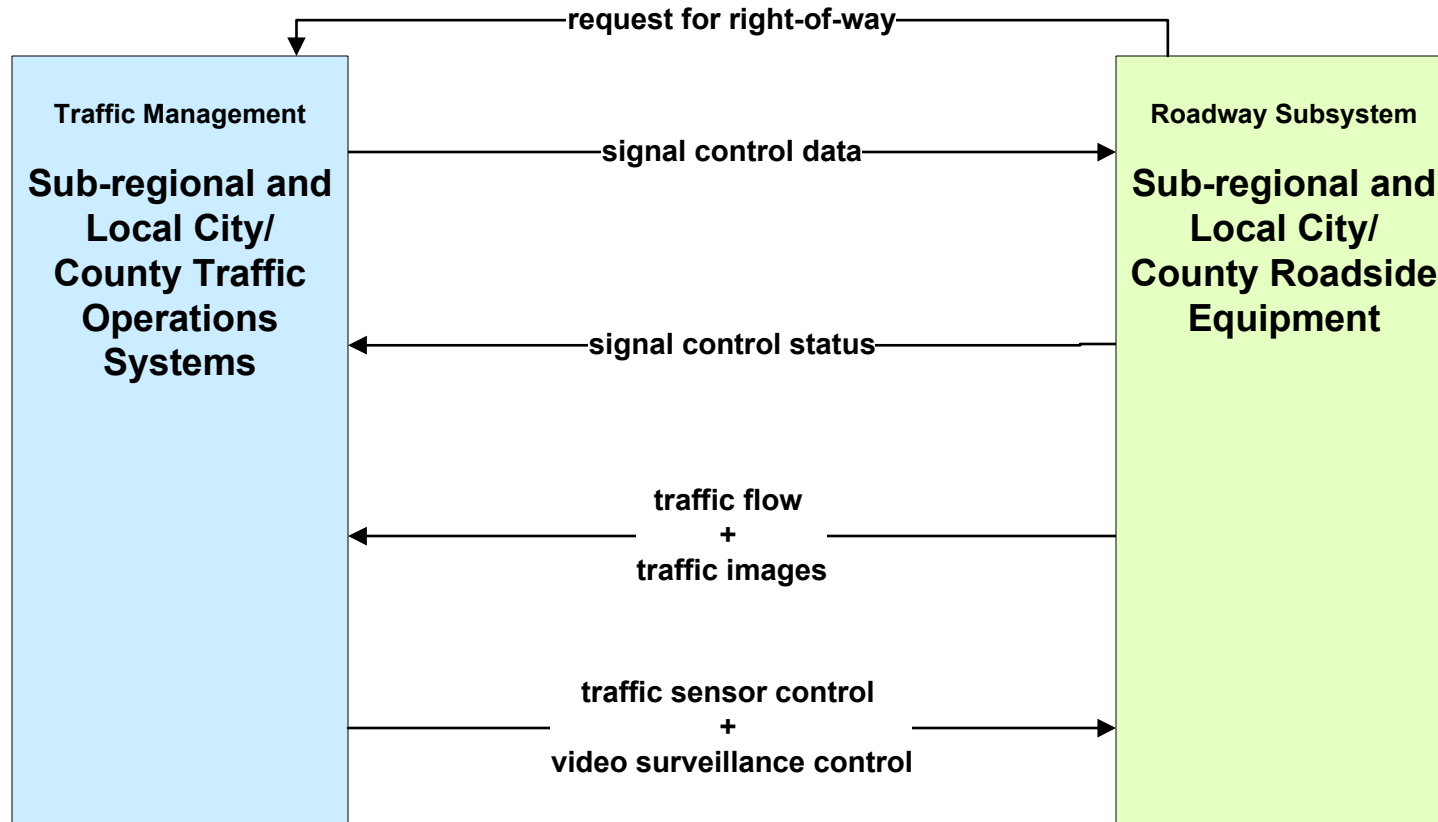
existing flow



*user defined flow*



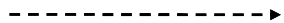
## ATMS03 - Surface Street Control Local City/County



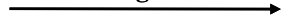
**NOTE:** Local City/County ***includes but is not limited to*** the cities of Antioch, Campbell, Cupertino, Fremont, Gilroy, Livermore, Pleasant Hill, Pleasanton, Redwood City, San Leandro, Santa Clara, Vallejo, Atherton, Belmont, Brisbane, Burlingame, Colma, Daly City, East Palo Alto, Foster City, Half Moon Bay, Hillsborough, Menlo Park, Millbrae, Morgan Hill, Pacifica, Portola Valley, Redwood City, San Bruno, San Carlos, San Mateo, South San Francisco, Woodside, and counties including Alameda, Contra Costa, San Mateo, Santa Clara, and Solano

### LEGEND

planned and future flow



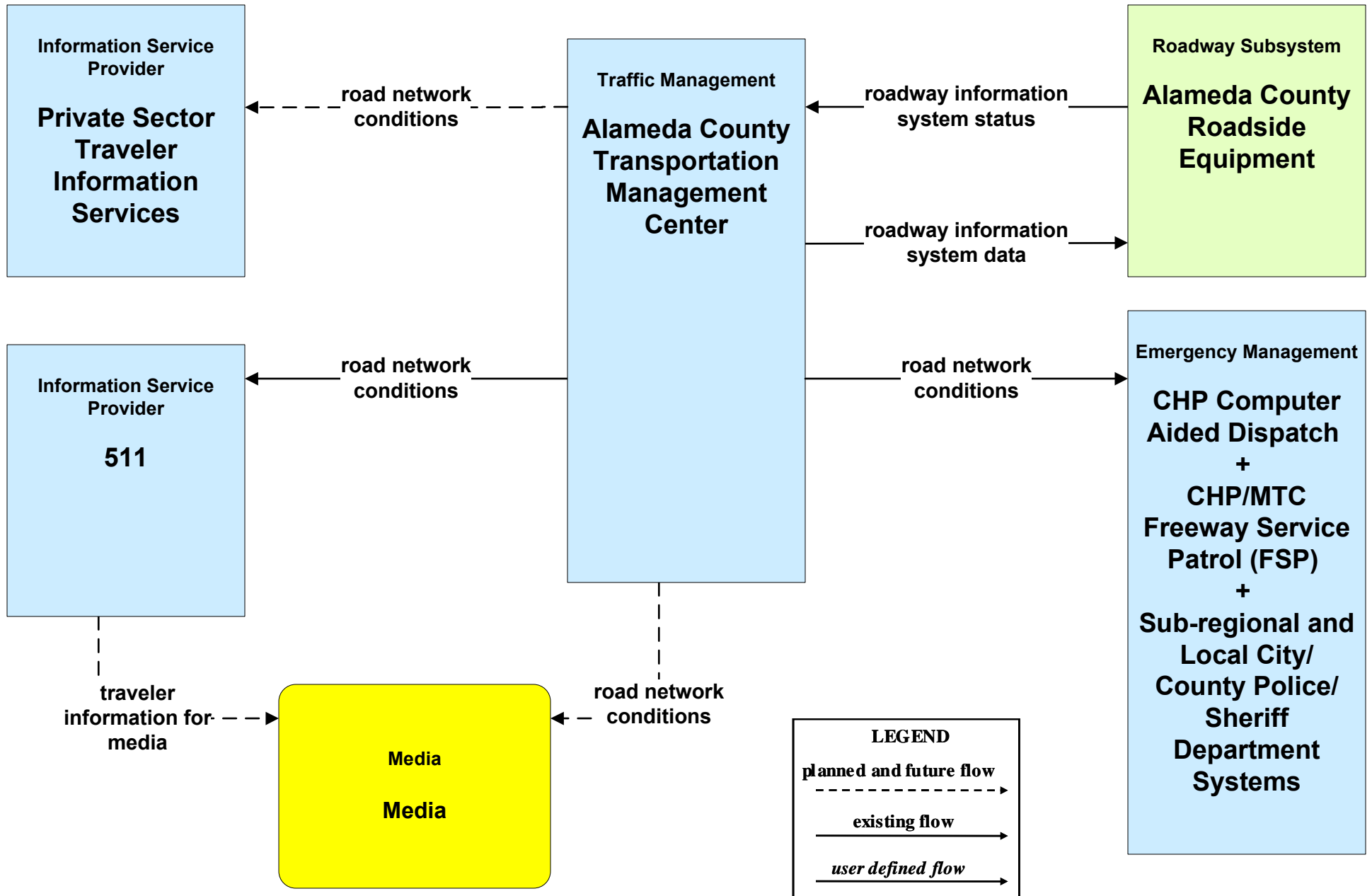
existing flow



user defined flow

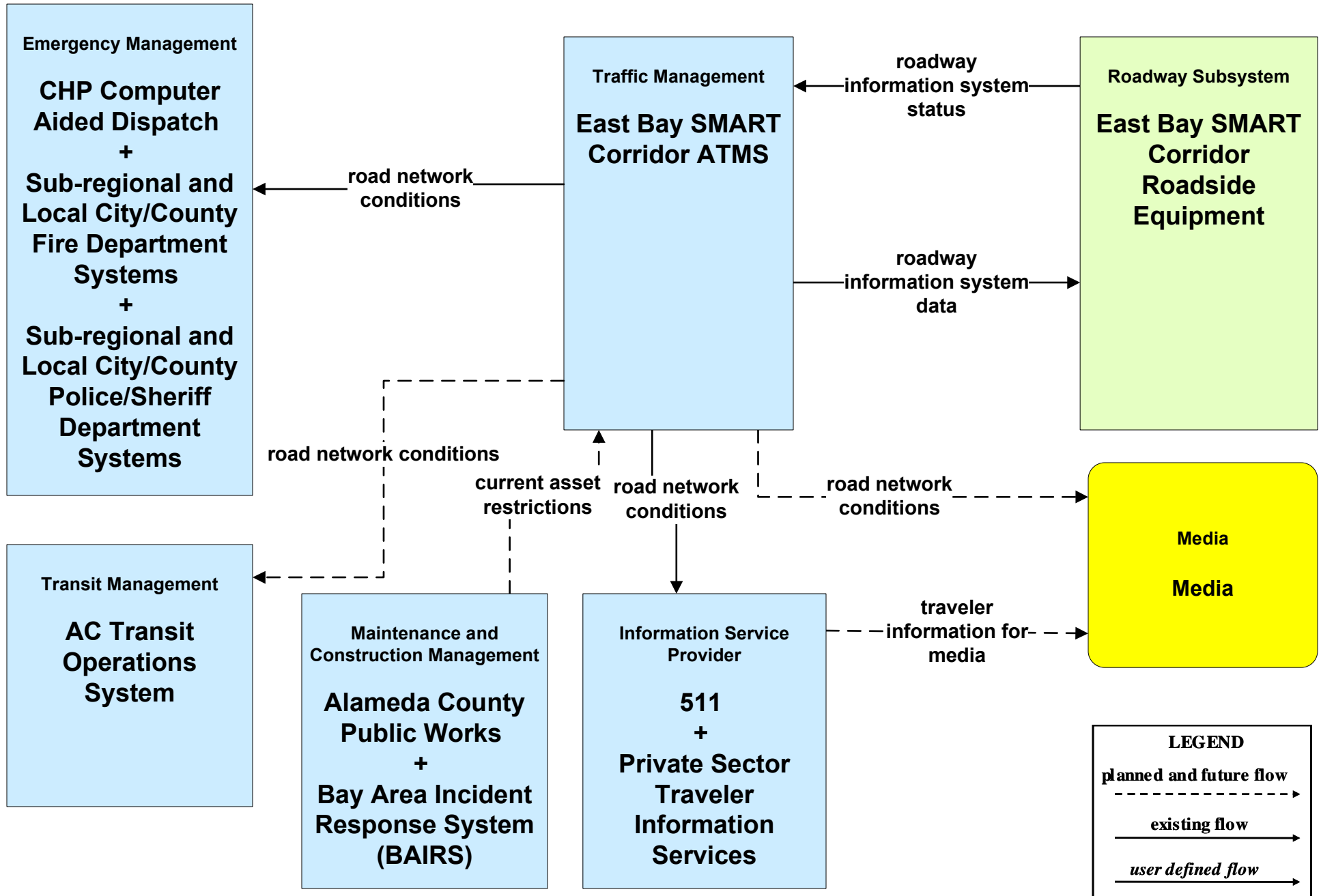


# ATMS06 - Traffic Information Dissemination Alameda County TMC

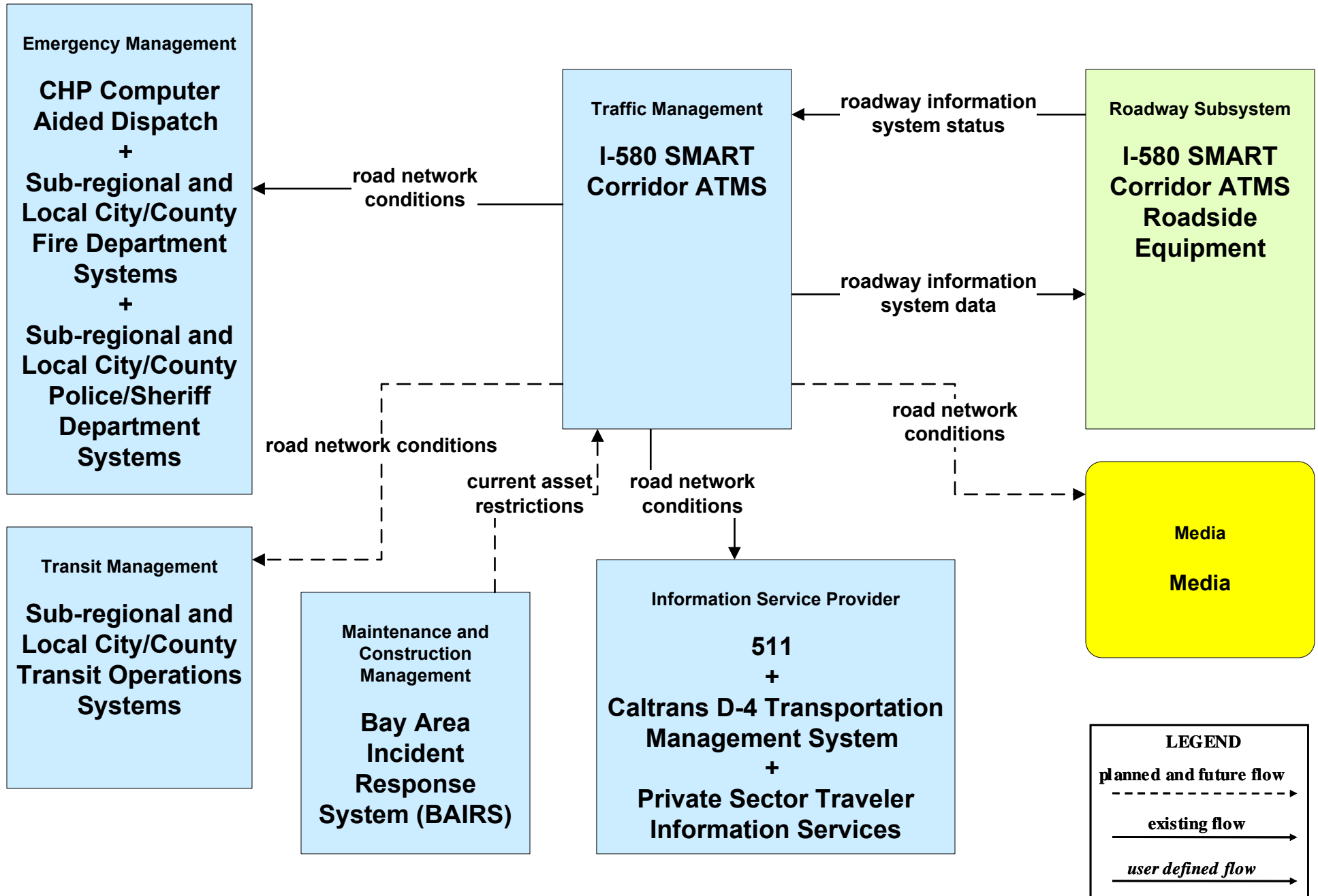


# ATMS06 - Traffic Information Dissemination

## East Bay SMART Corridor ATMS

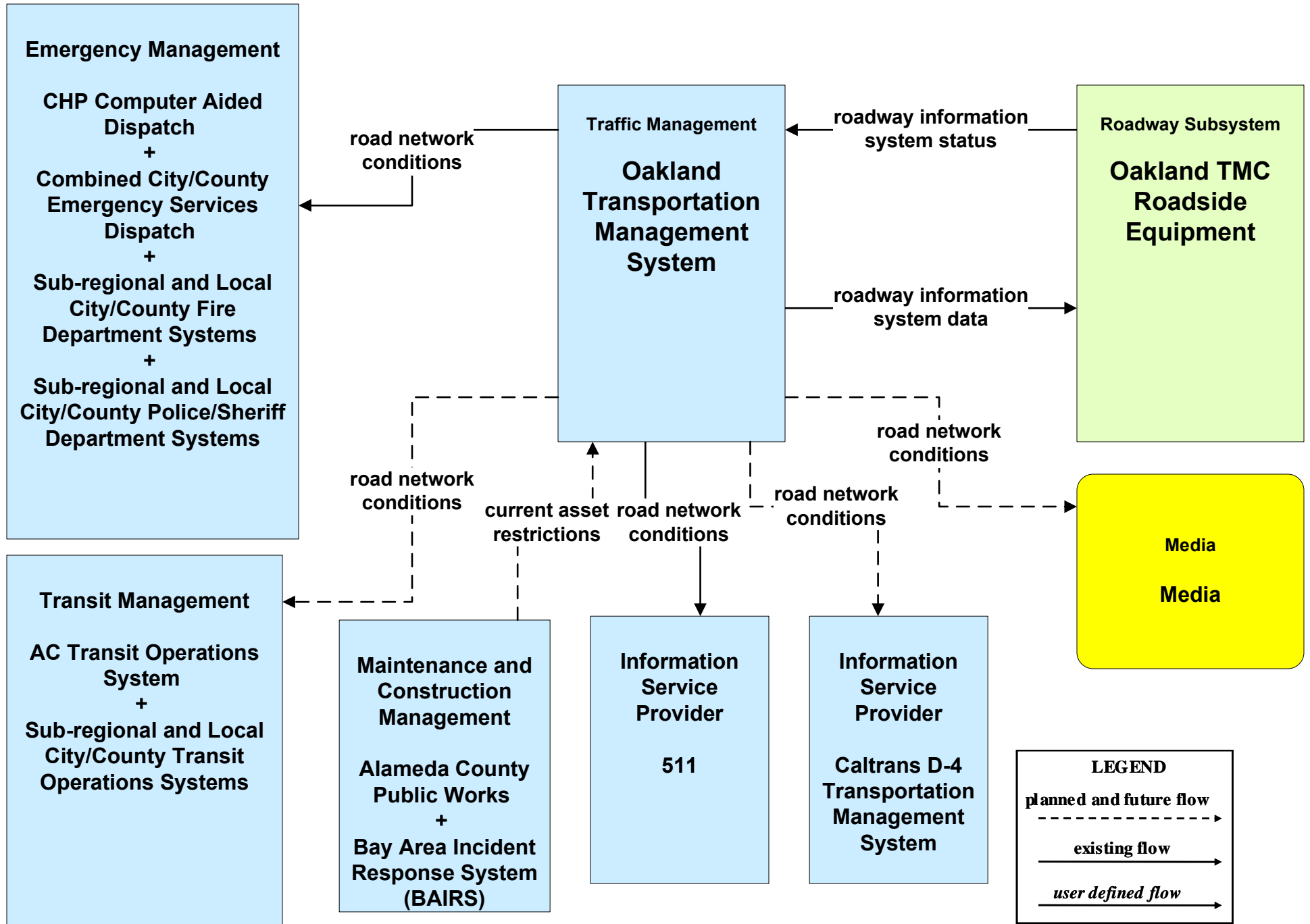


# ATMS06 - Traffic Information Dissemination I-580 SMART Corridor ATMS

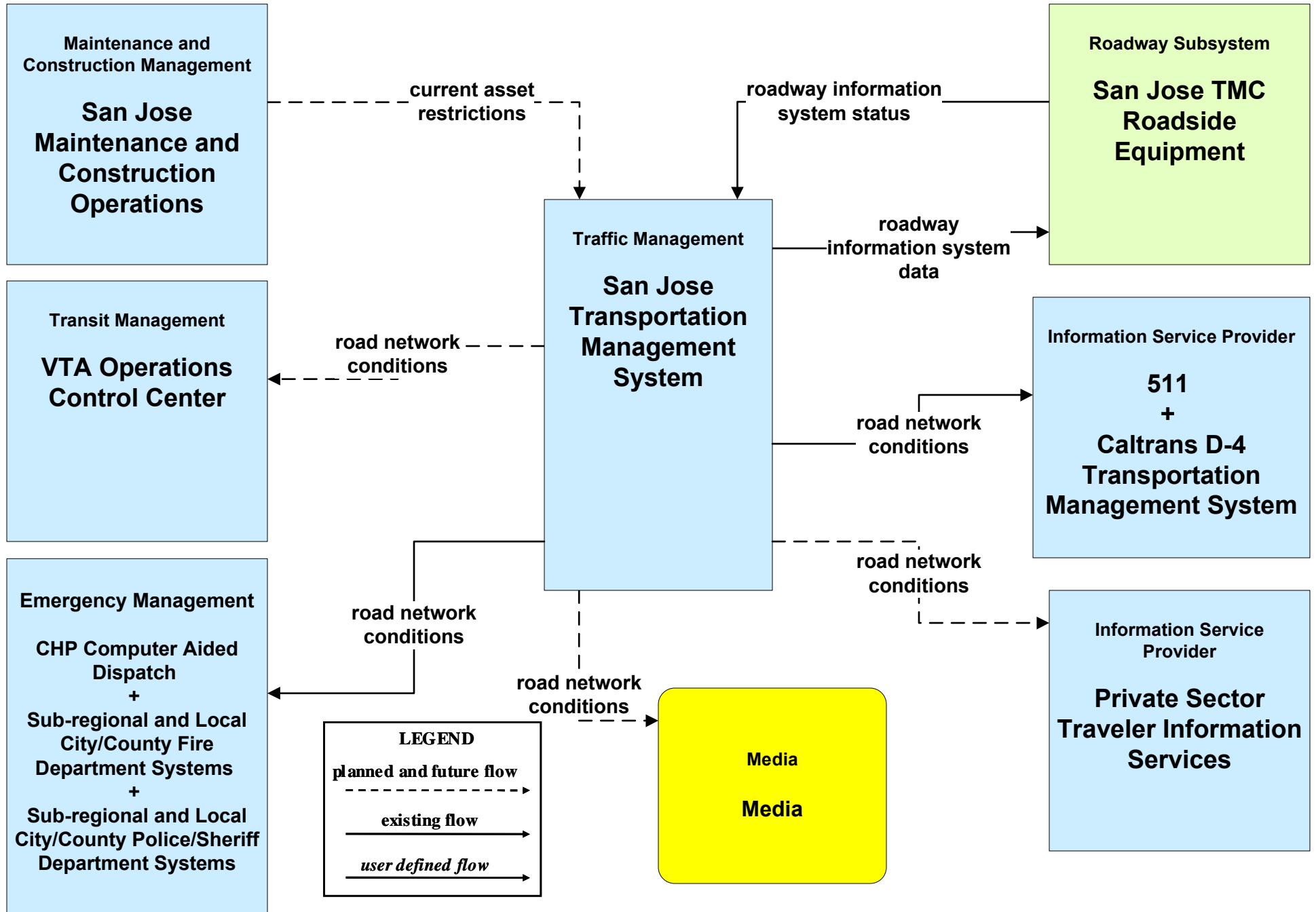




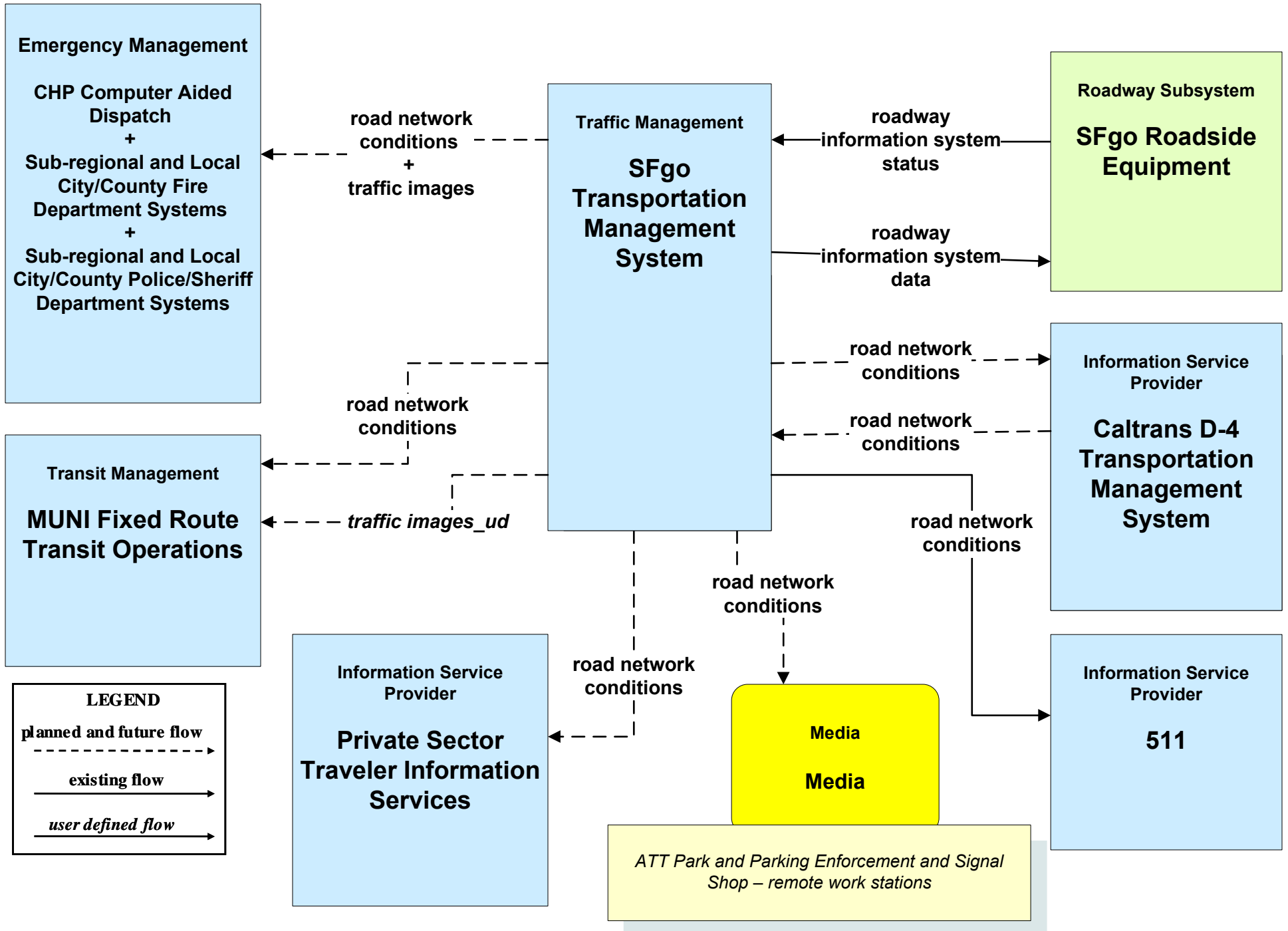
# ATMS06 - Traffic Information Dissemination Oakland TMS



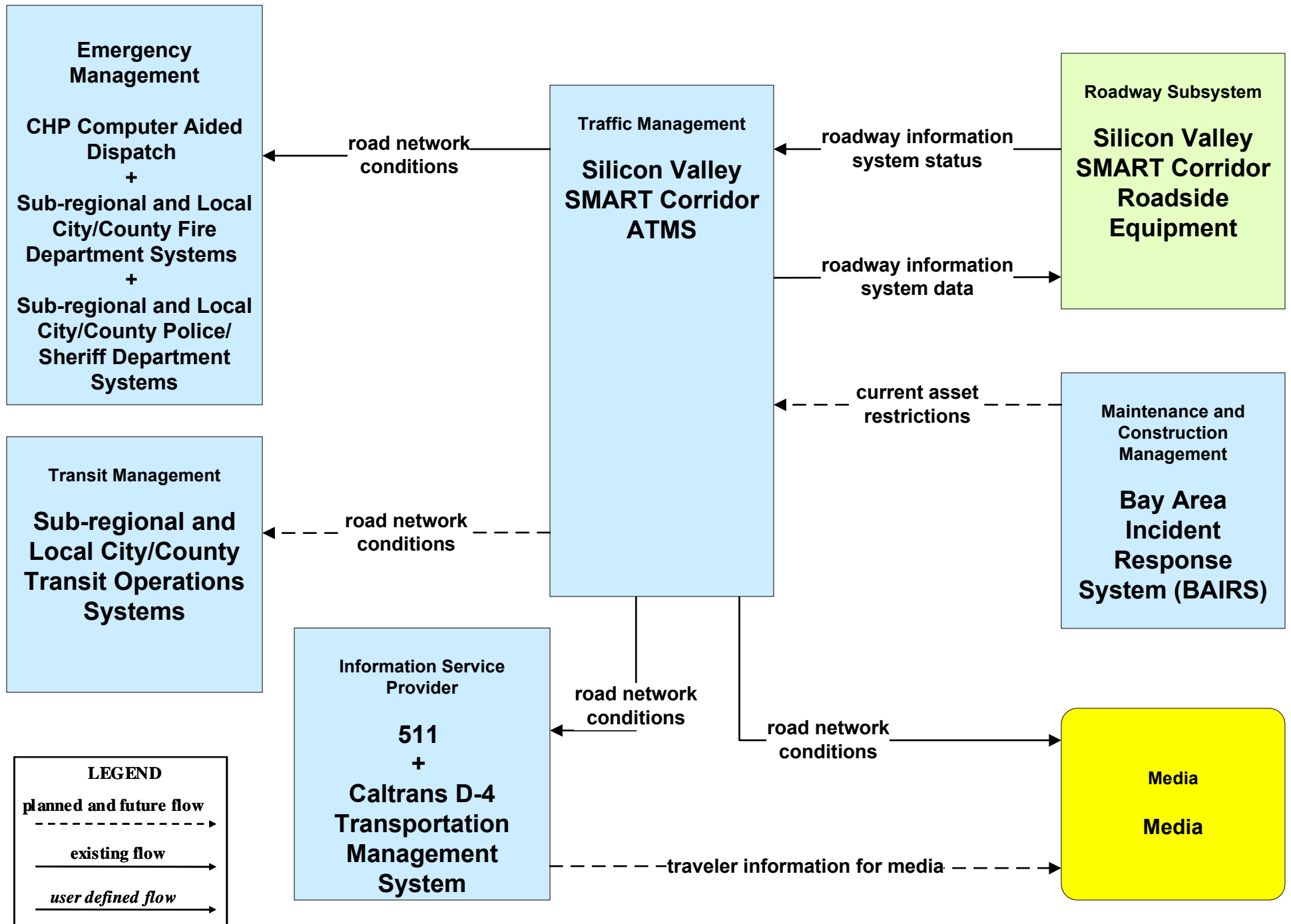
# ATMS06 - Traffic Information Dissemination San Jose TMS



# ATMS06 - Traffic Information Dissemination SFgo TMS

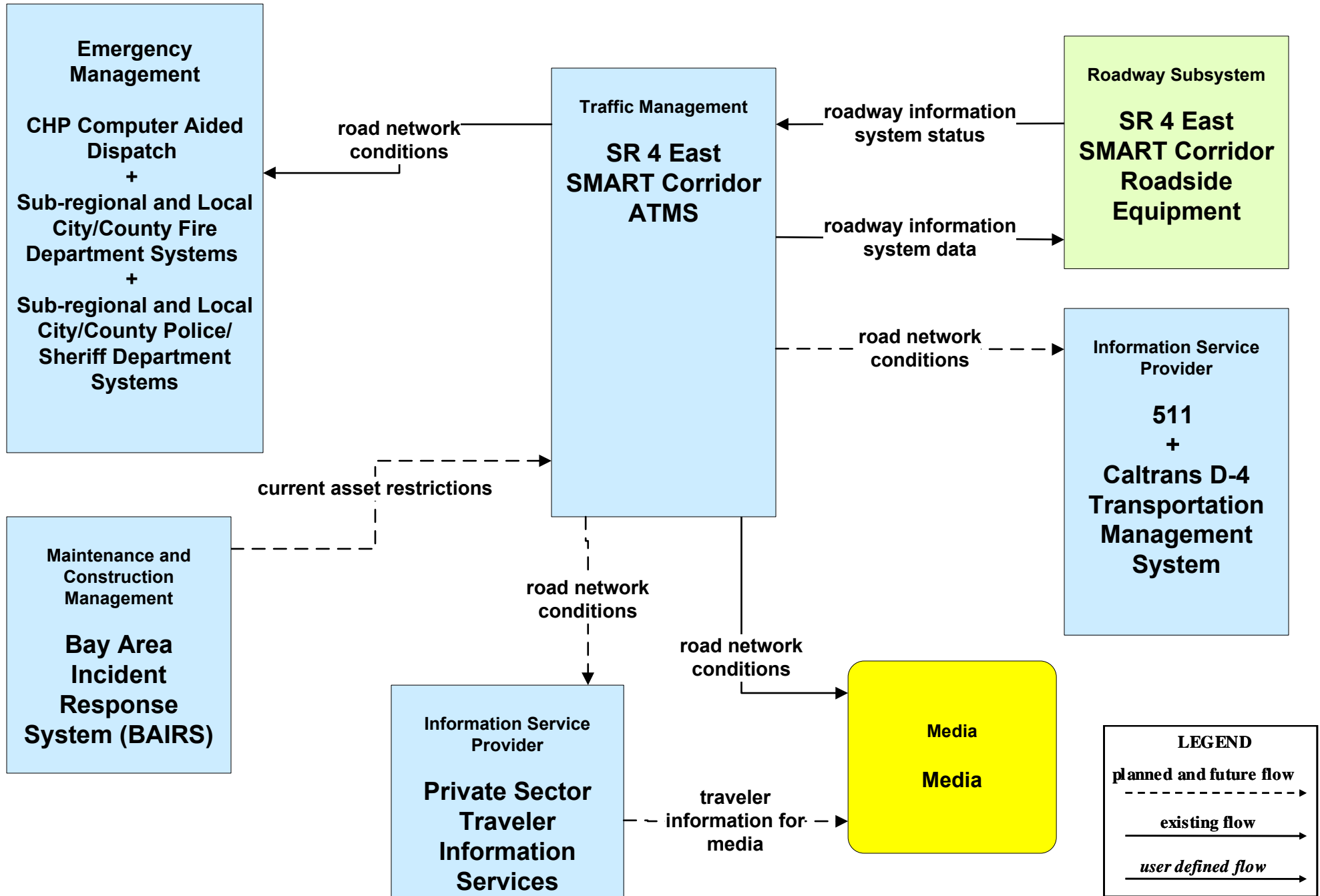


# ATMS06 - Traffic Information Dissemination Silicon Valley ATMS

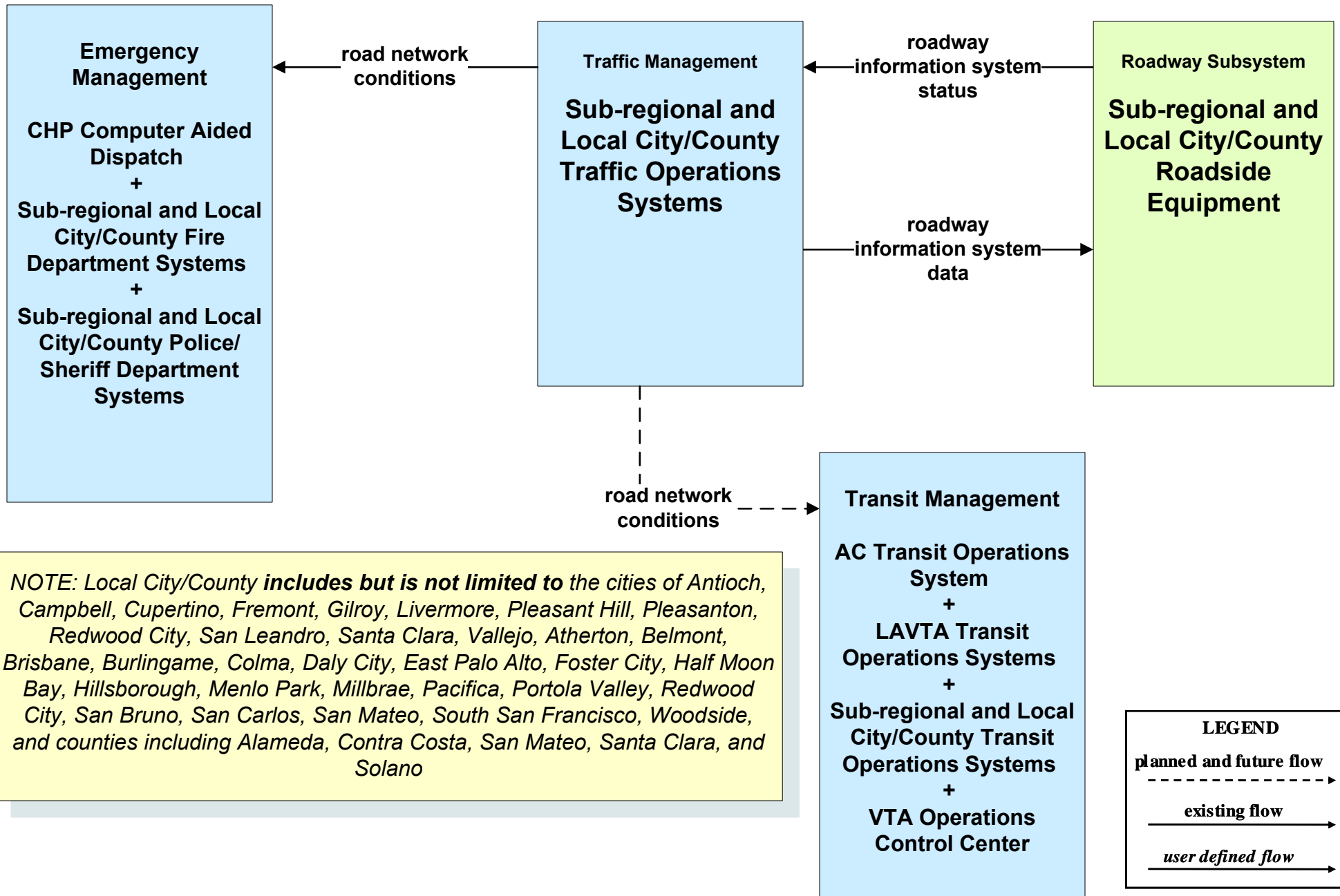


# ATMS06 - Traffic Information Dissemination

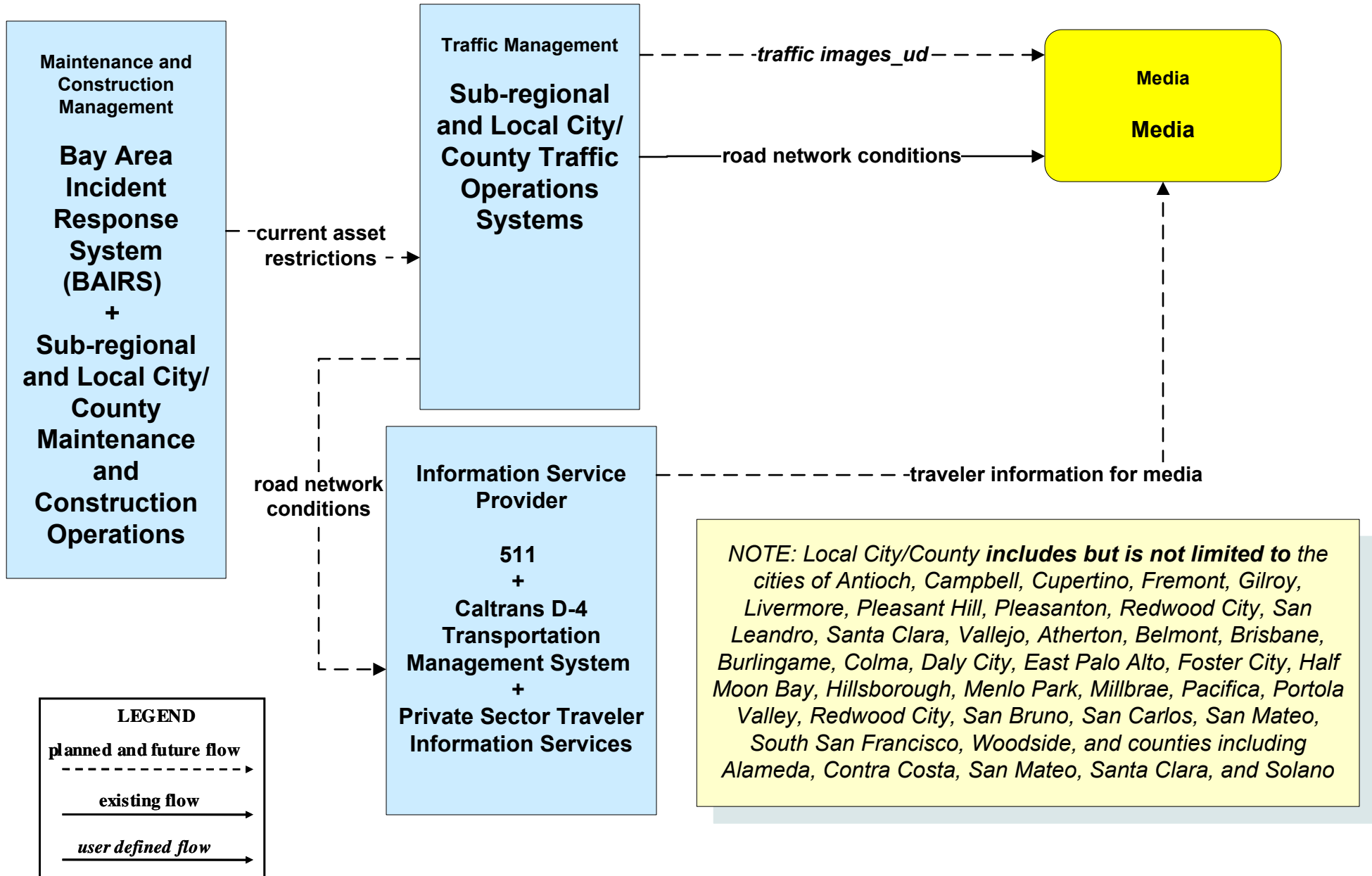
## SR 4 East ATMS



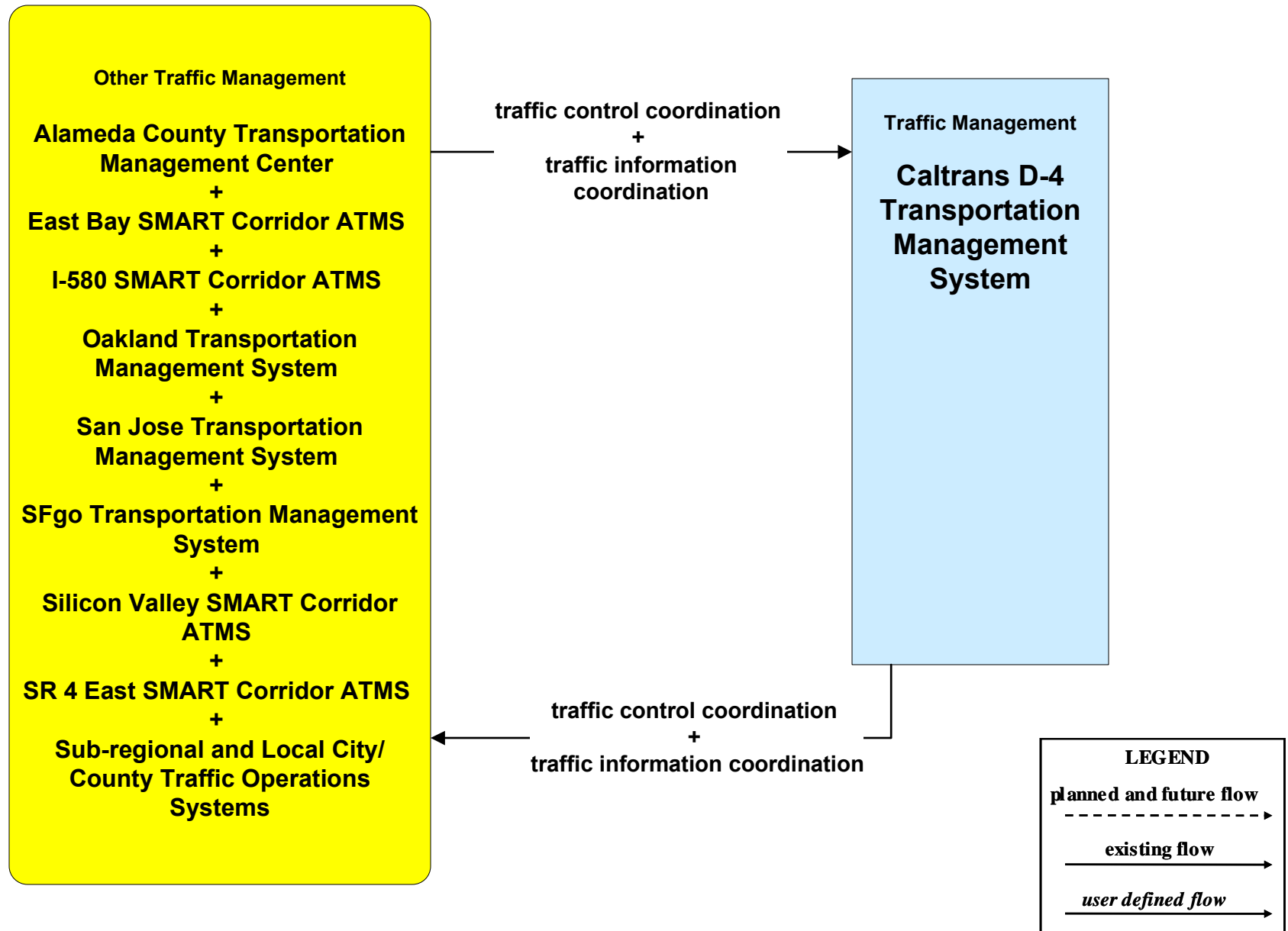
## ATMS06 - Traffic Information Dissemination Local City/County Traffic Operations (1 of 2)



## ATMS06 - Traffic Information Dissemination Local City/County Traffic Operations (2 of 2)

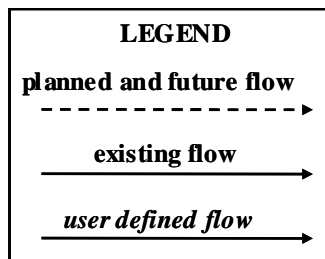
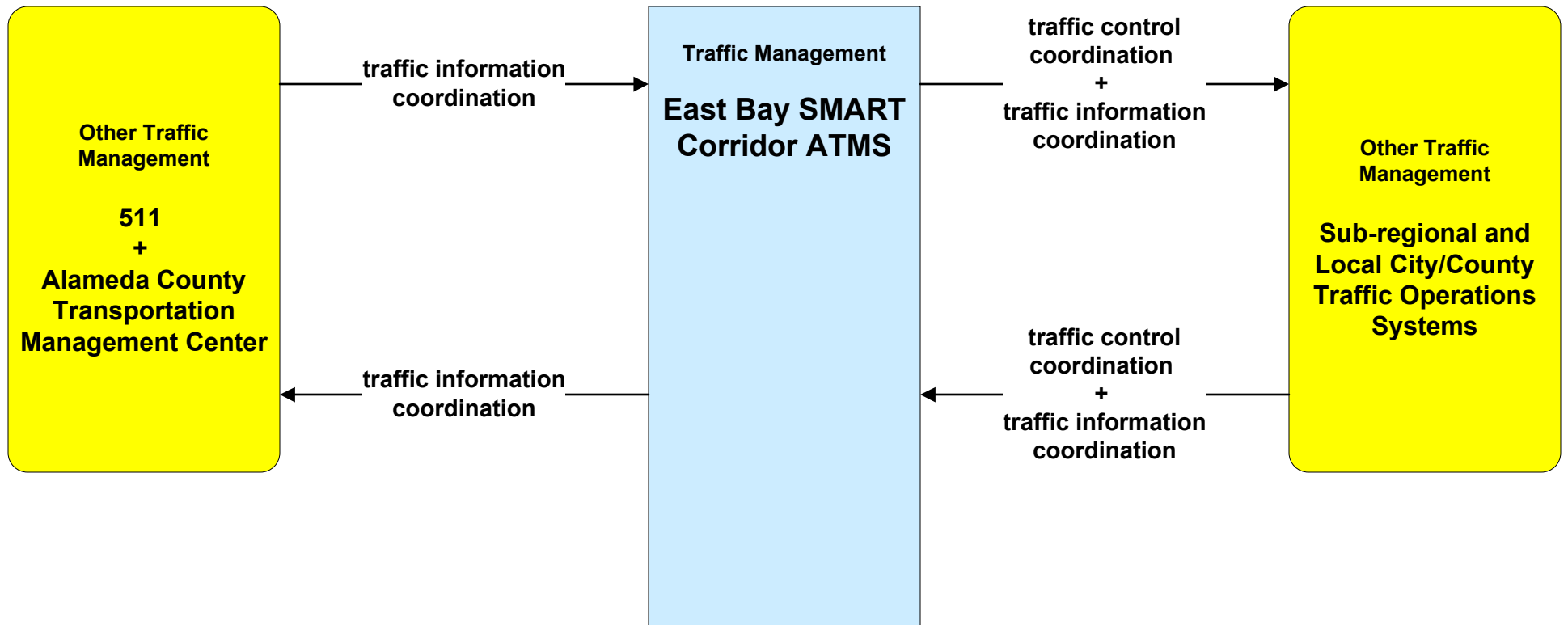


## ATMS07 - Regional Traffic Management Caltrans D-4



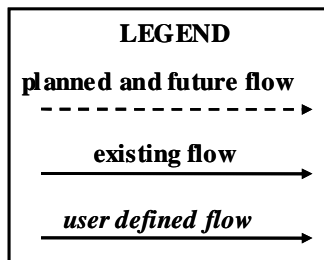
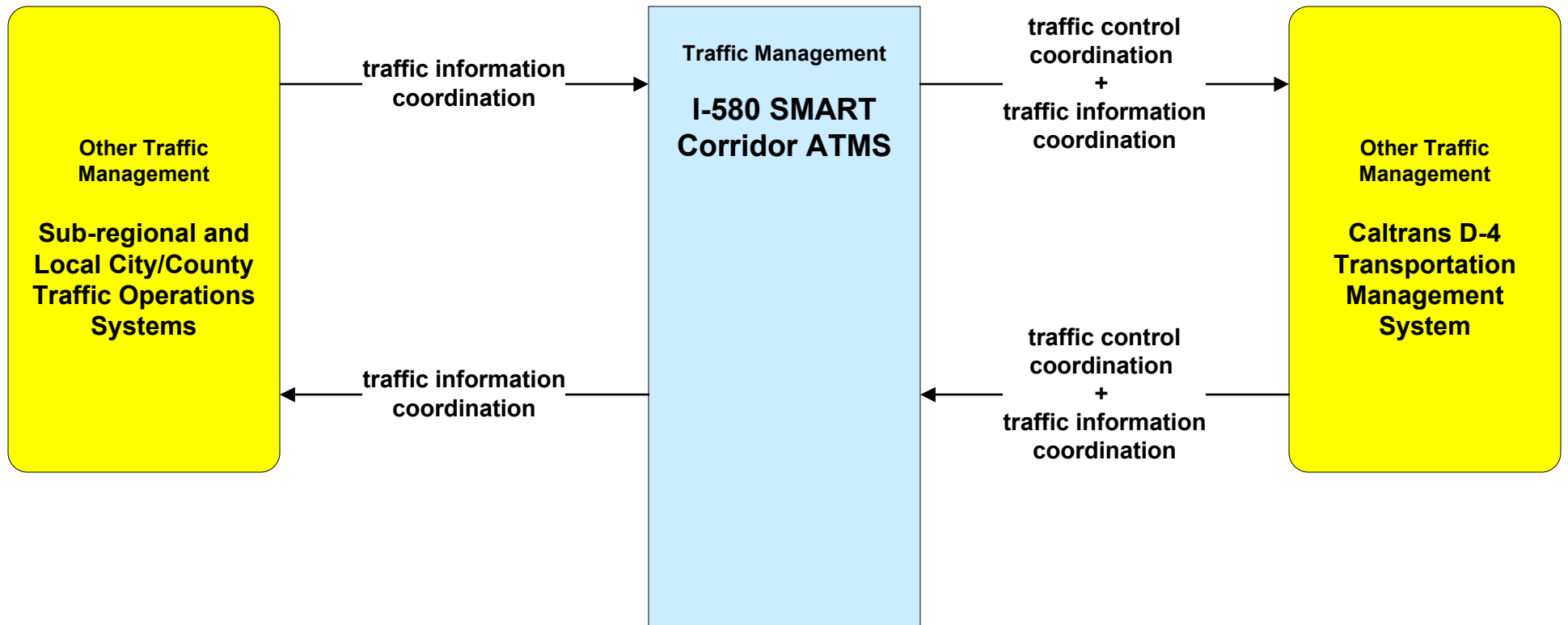


## ATMS07 - Regional Traffic Management East Bay SMART Corridor ATMS

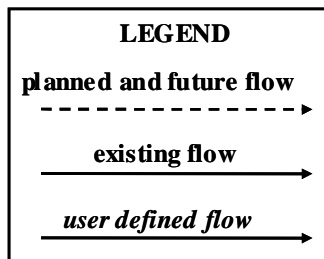
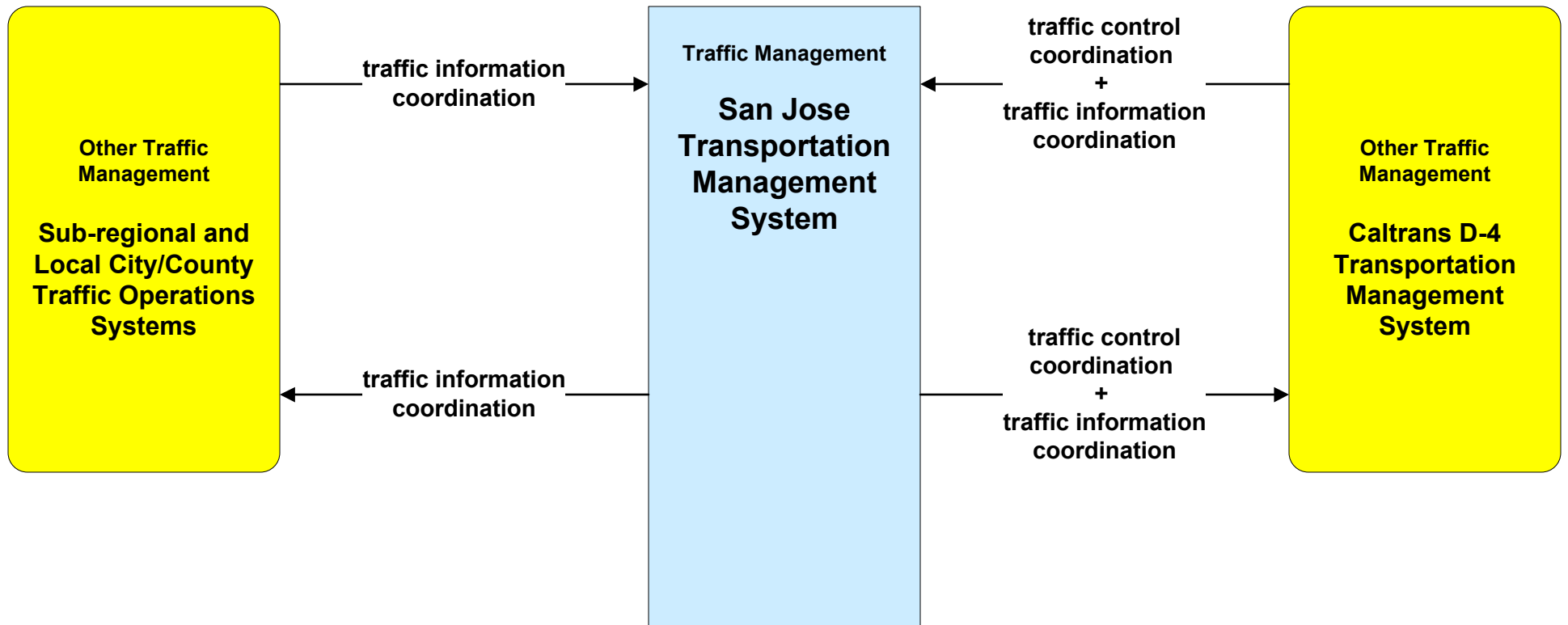


*NOTE: 511 sends Freeway Information – to East Bay SMART Corridor ATMS*

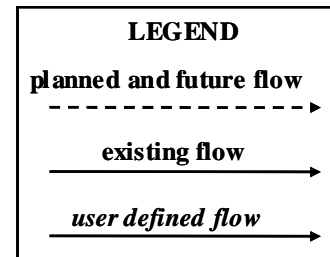
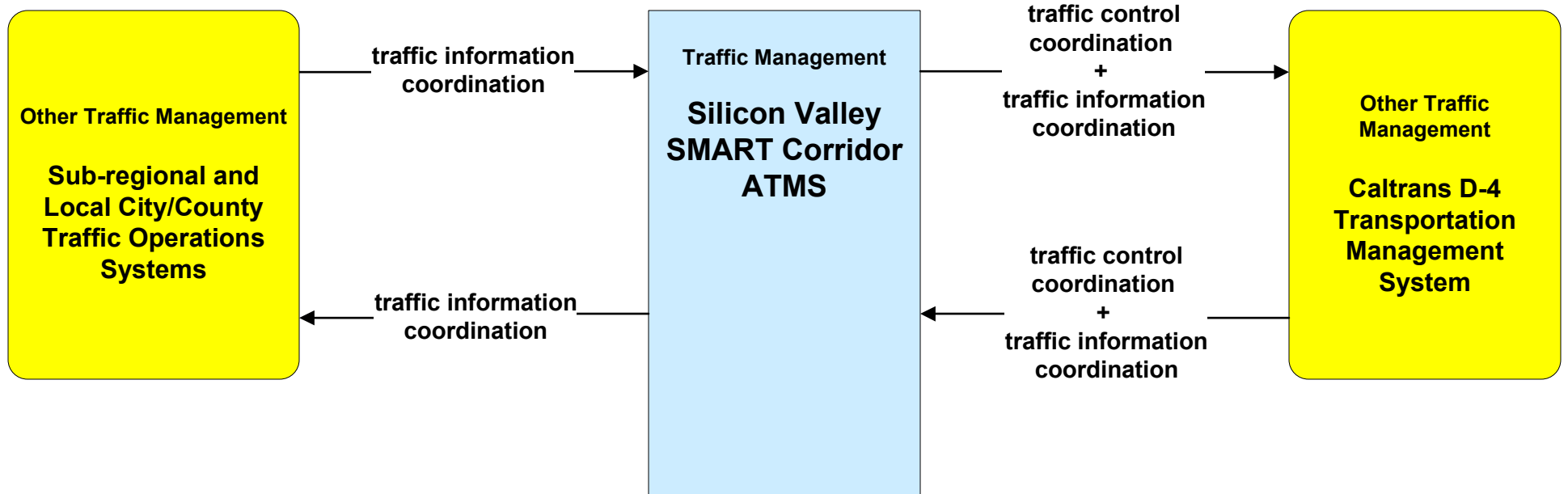
## ATMS07 - Regional Traffic Management I-580 Smart Corridor ATMS



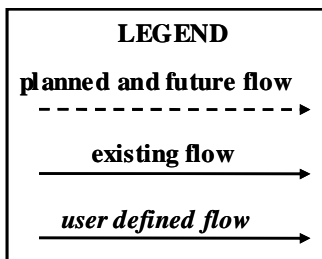
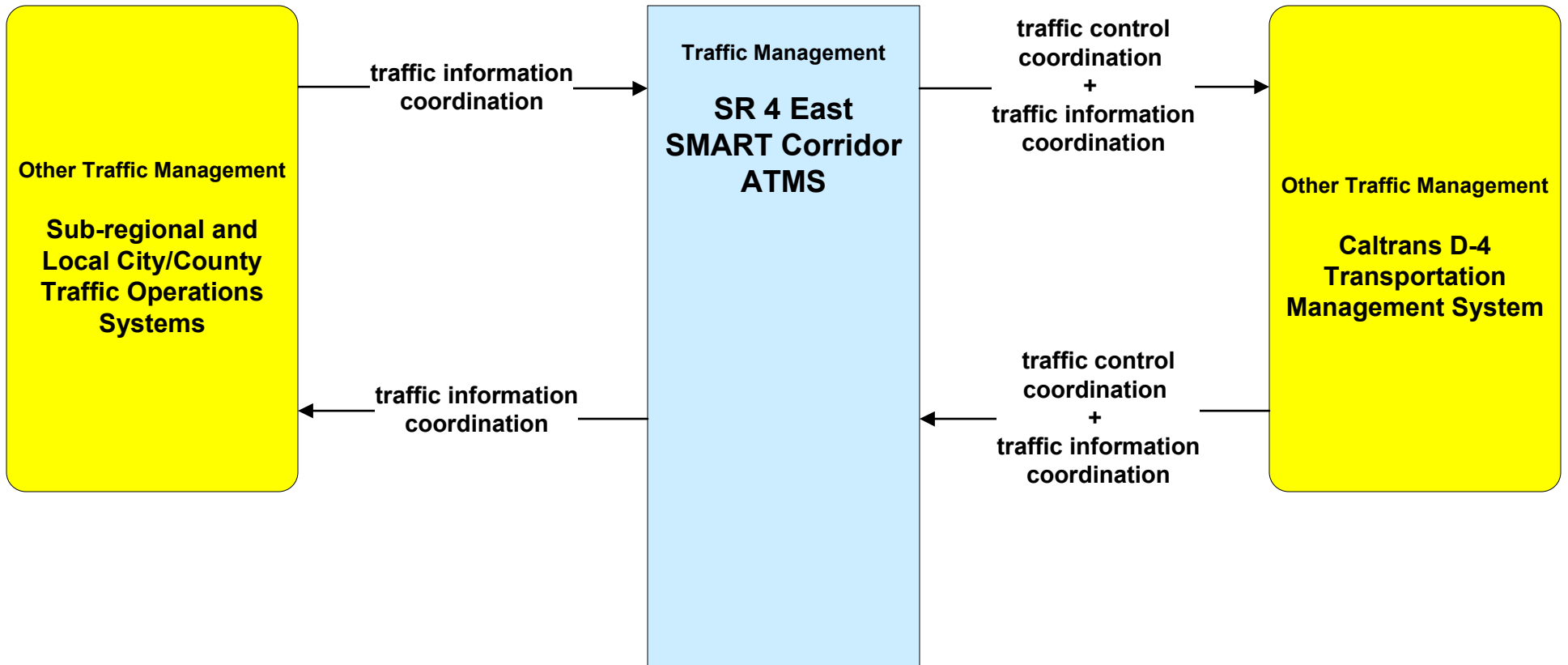
## ATMS07 - Regional Traffic Management San Jose TMS



## ATMS07 - Regional Traffic Management Silicon Valley Smart Corridor

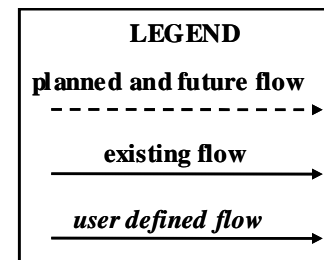
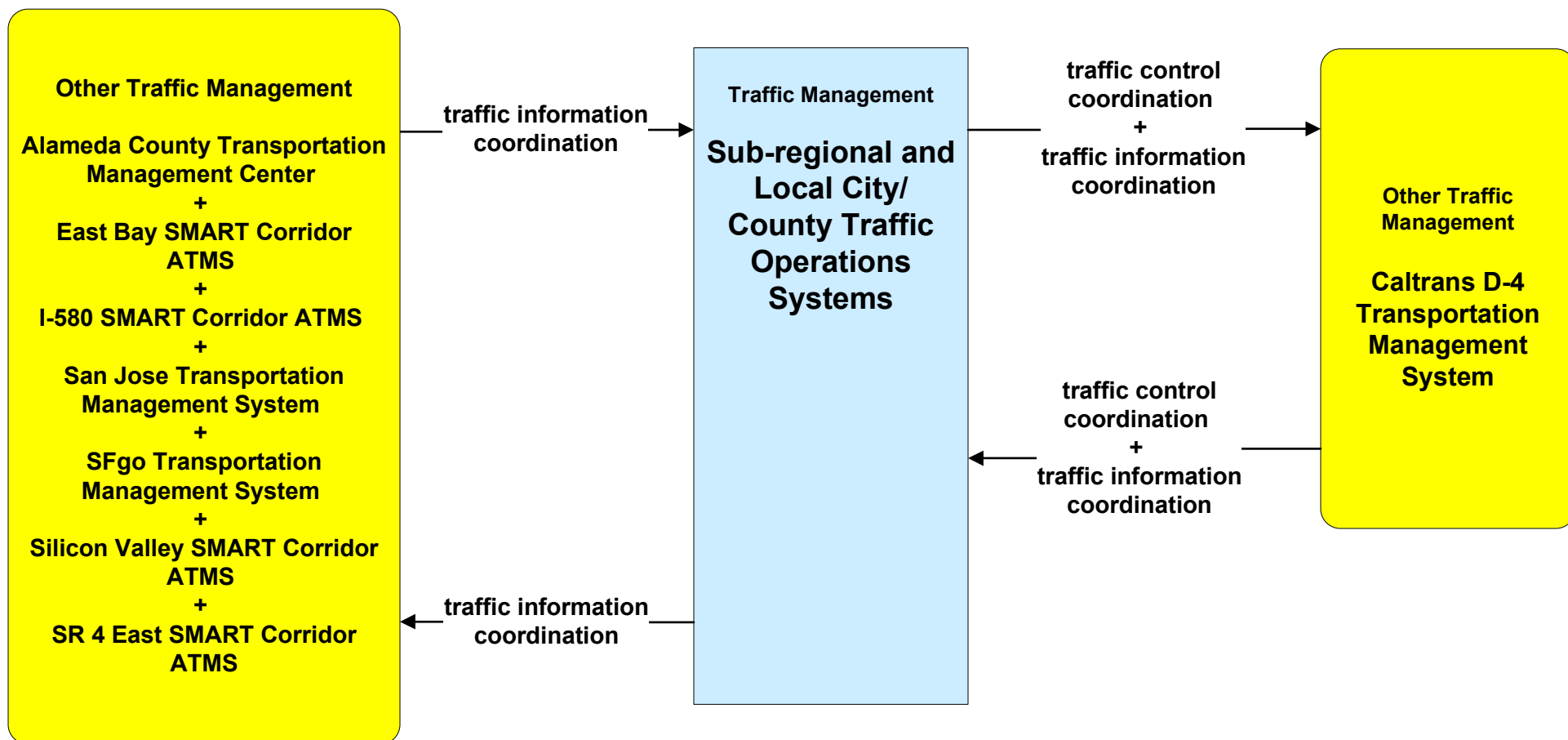


# ATMS07 - Regional Traffic Management SR 4 East SMART Corridor

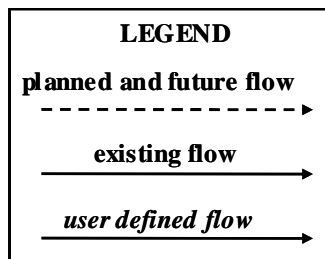
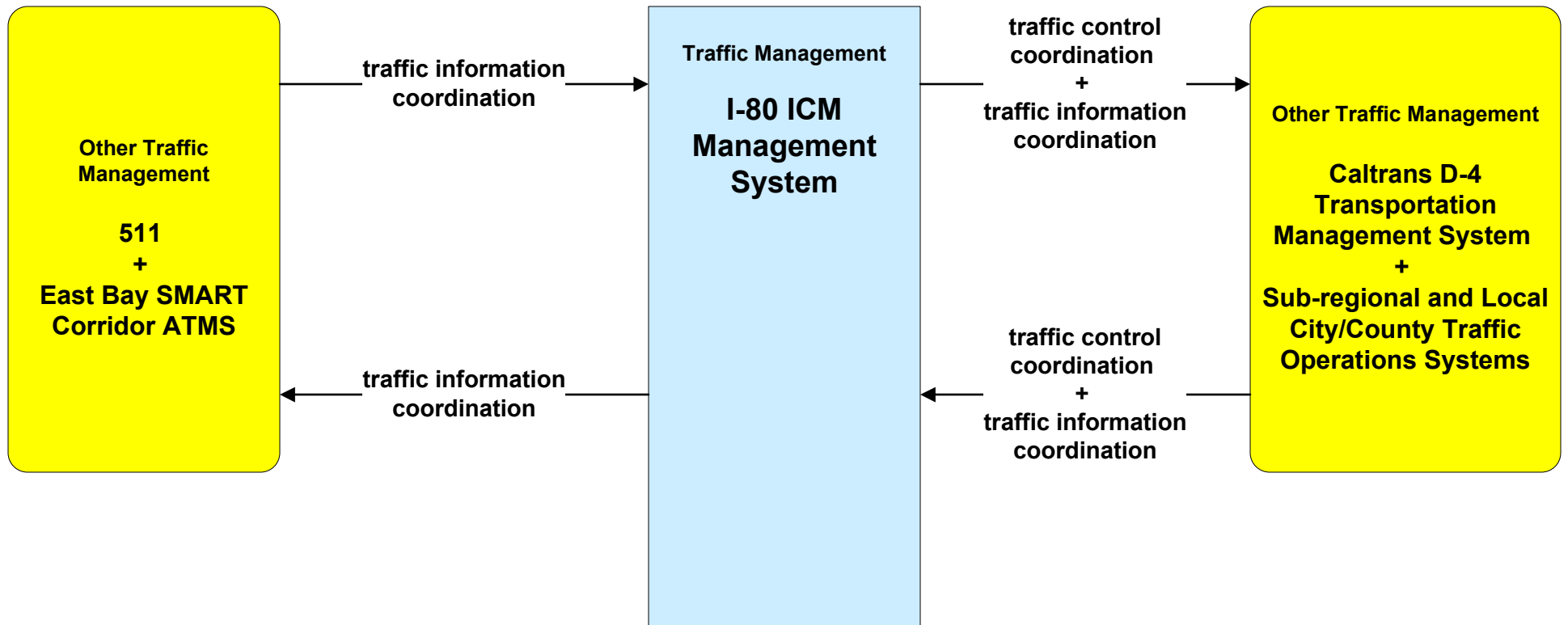


# ATMS07 - Regional Traffic Management

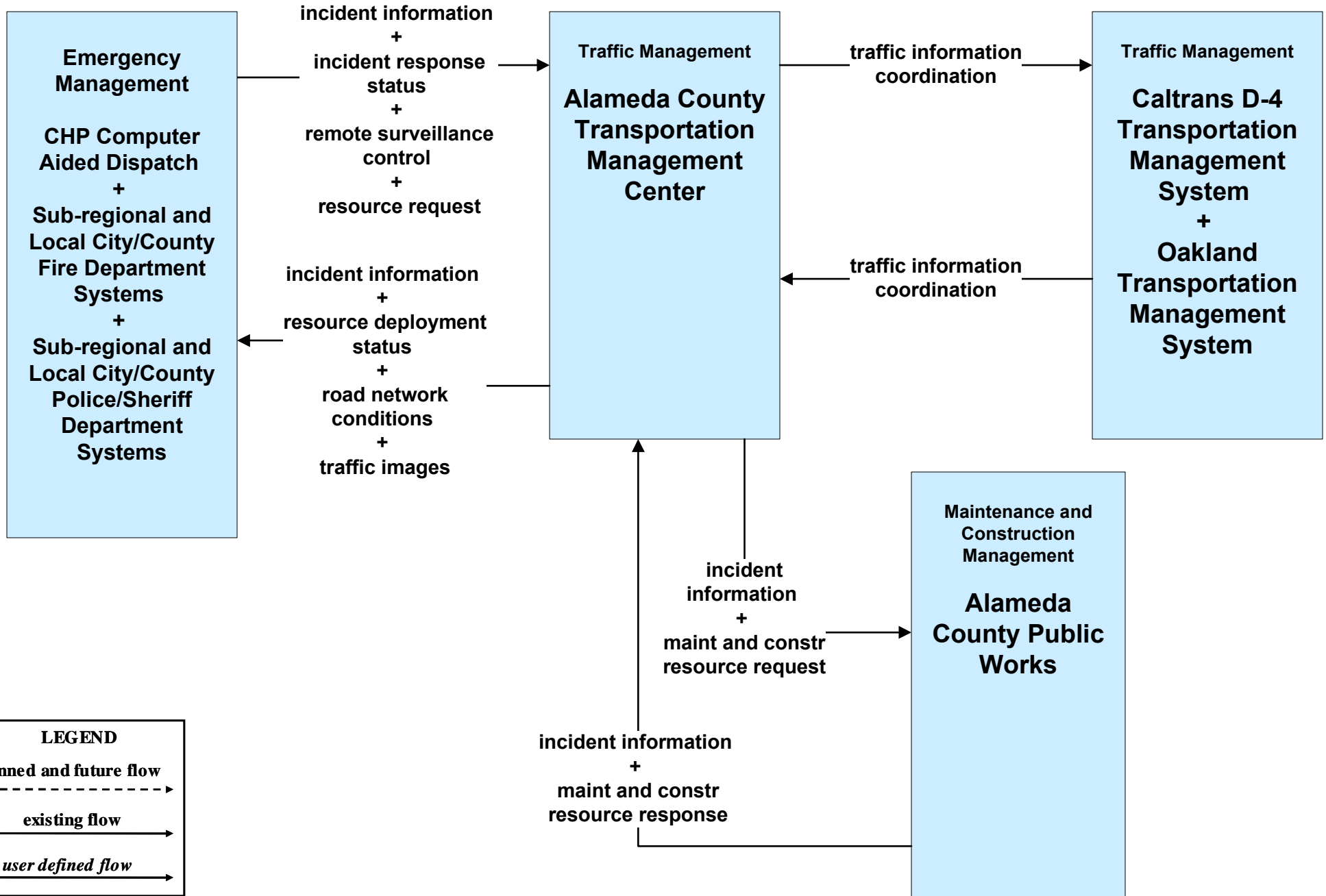
## Sub-regional and Local City/County Traffic Operations



## ATMS07 - Regional Traffic Management I-80 ICM Management Center



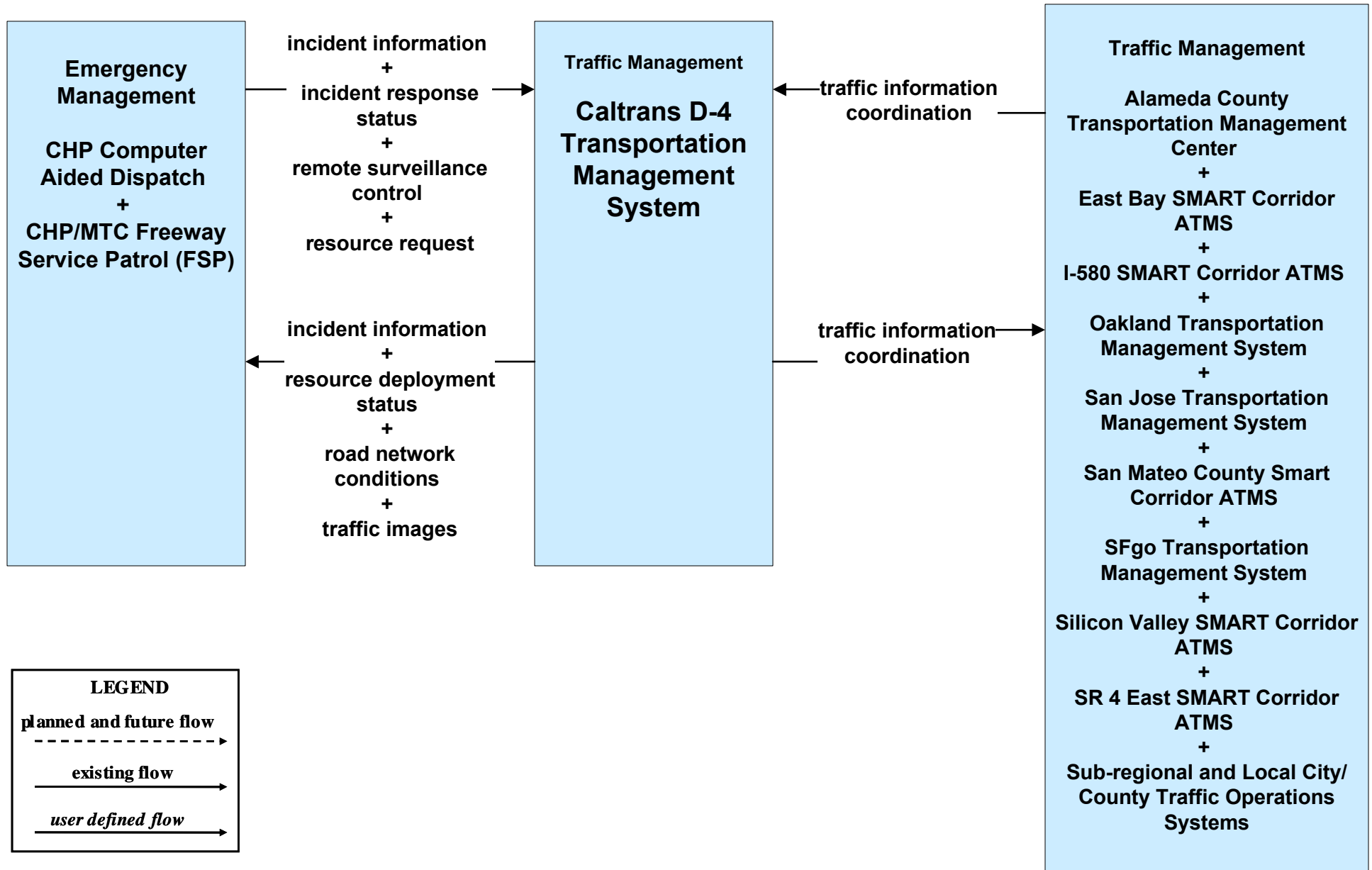
# ATMS08 - Incident Management Alameda County TMC





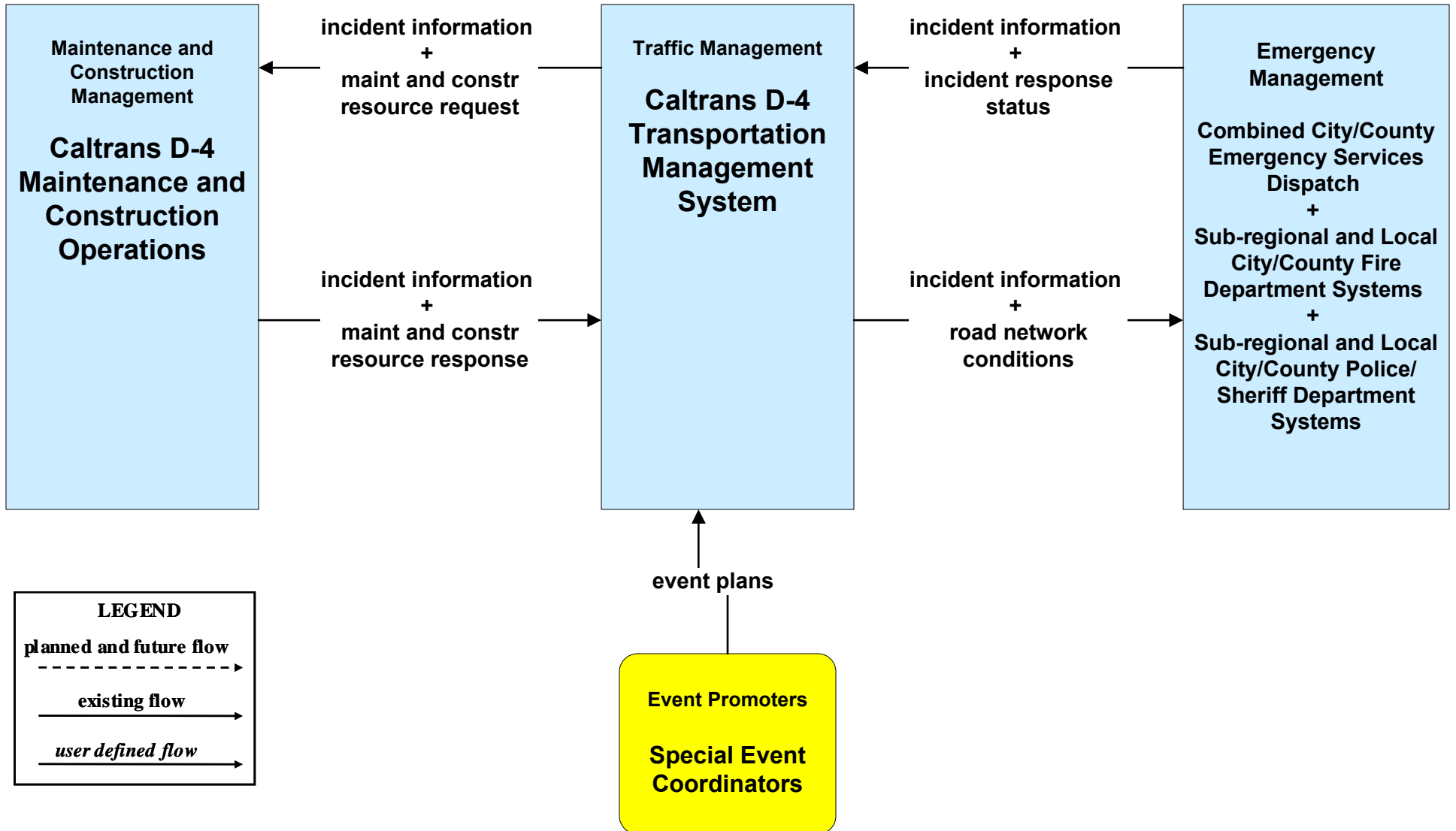
# ATMS08 - Incident Management

## Caltrans D-4 (TM) (1 of 2)

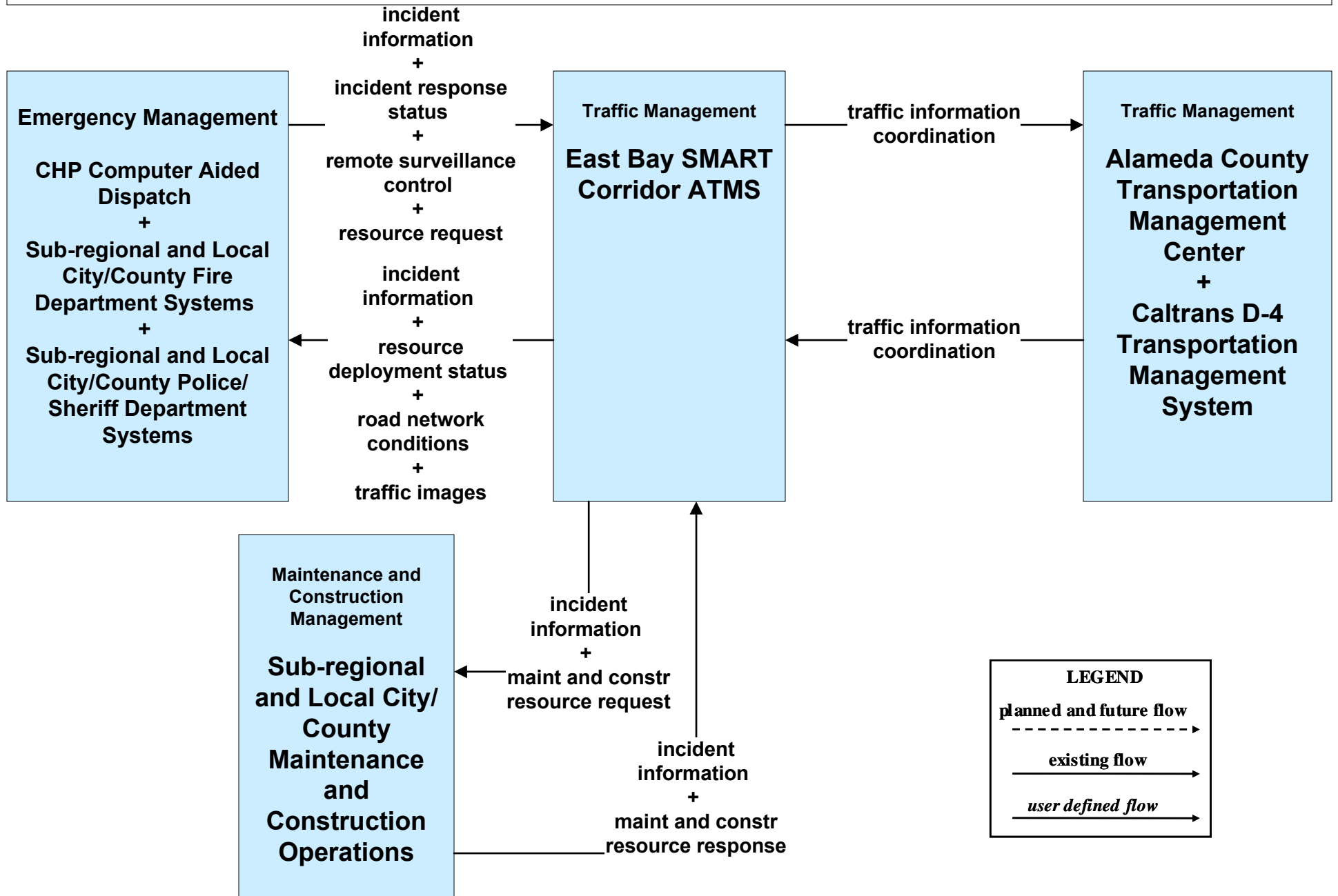


# ATMS08 - Incident Management

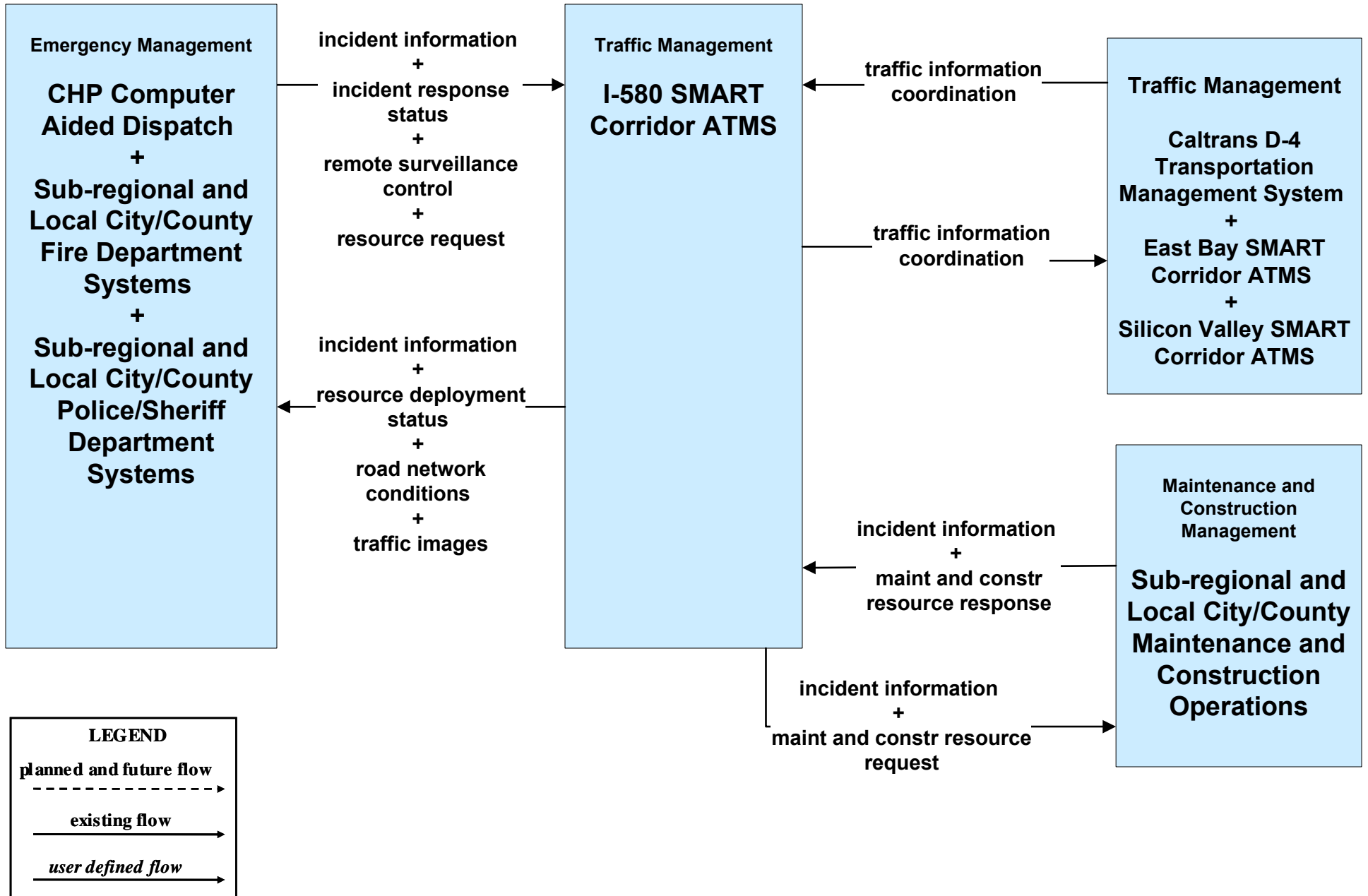
## Caltrans D-4 (TM) (2 of 2)



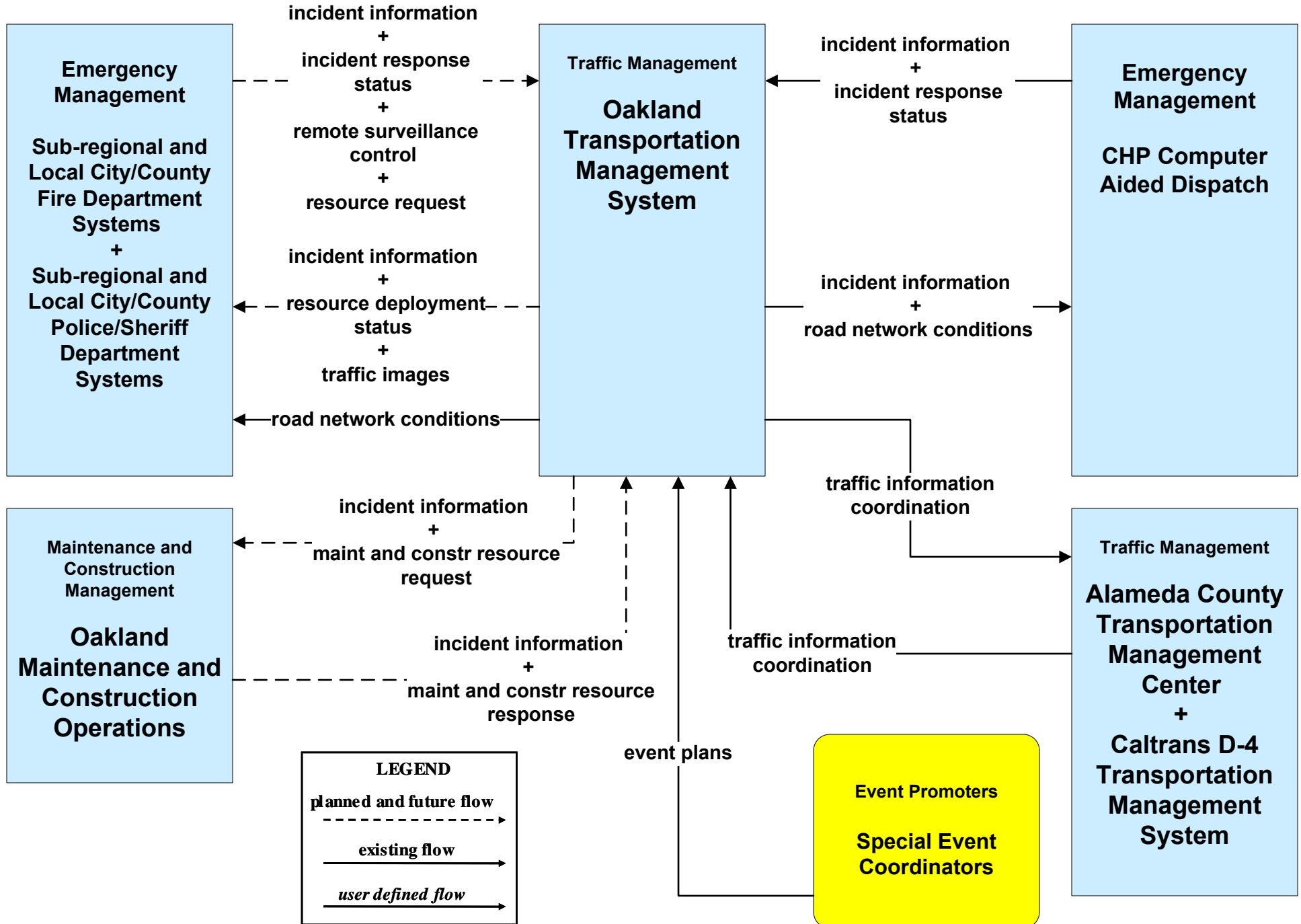
# ATMS08 - Incident Management East Bay ATMS



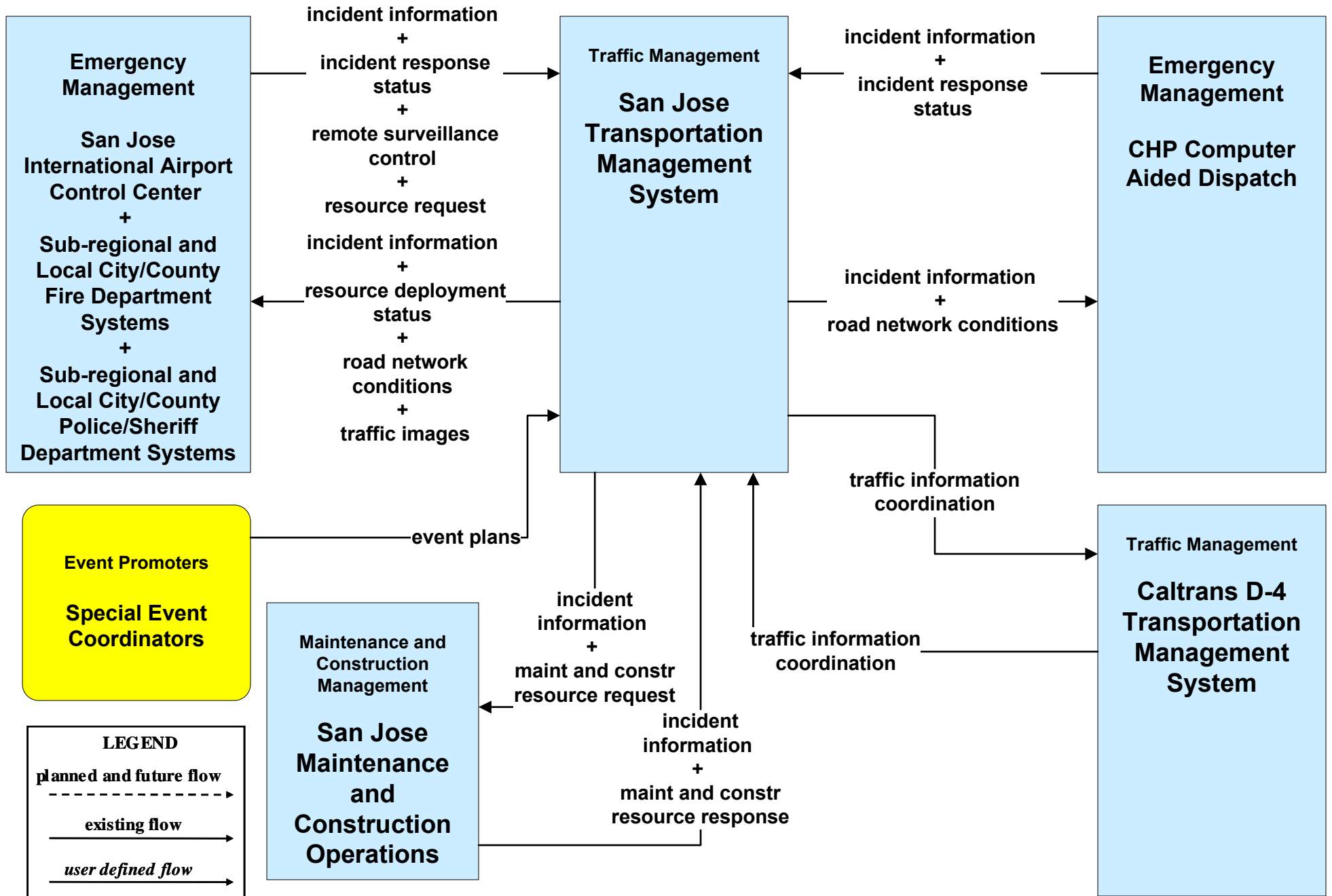
# ATMS08 - Incident Management I-580 Smart Corridor



# ATMS08 - Incident Management Oakland TMS (TM)

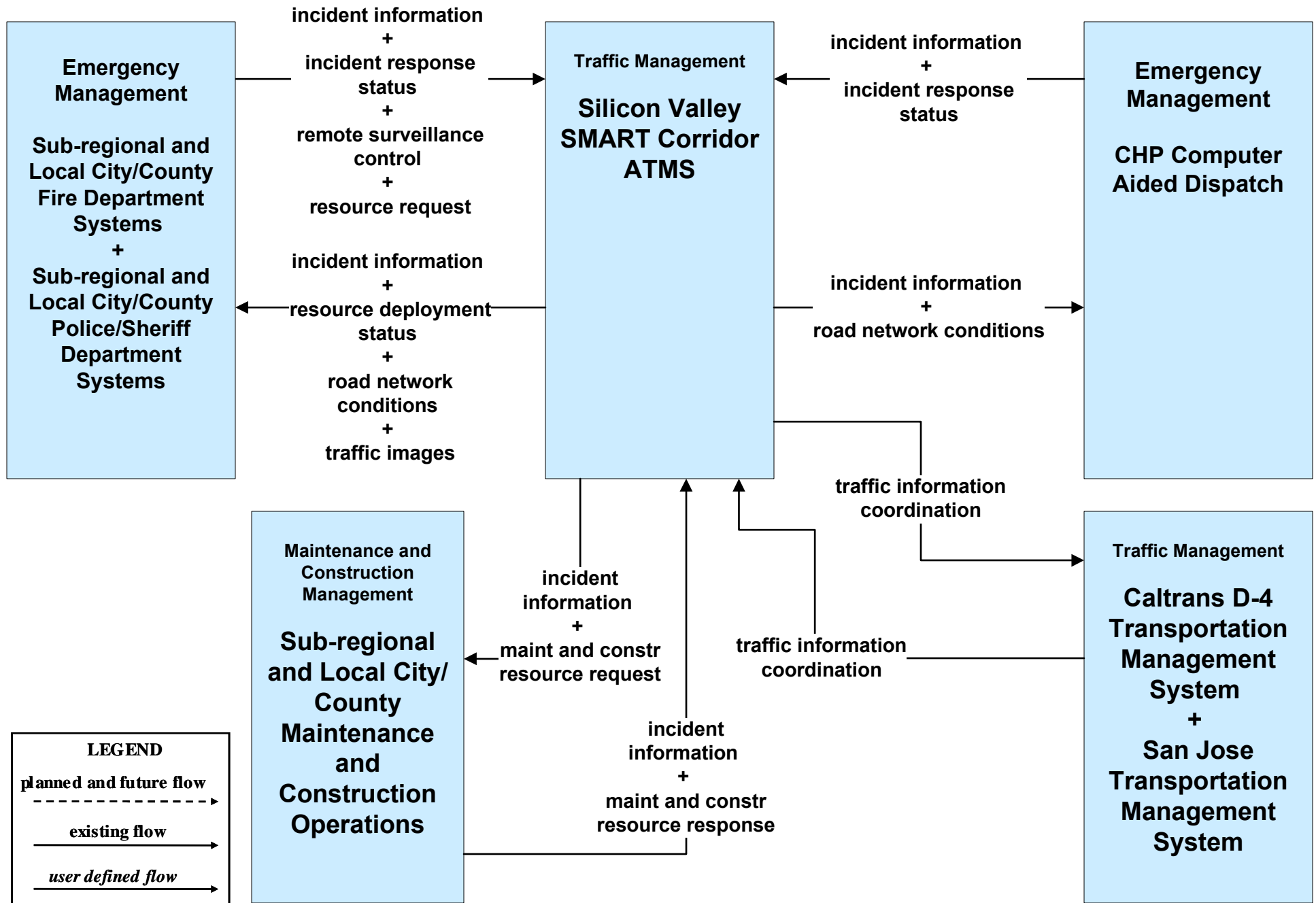


# ATMS08 - Incident Management San Jose TMS (TM)



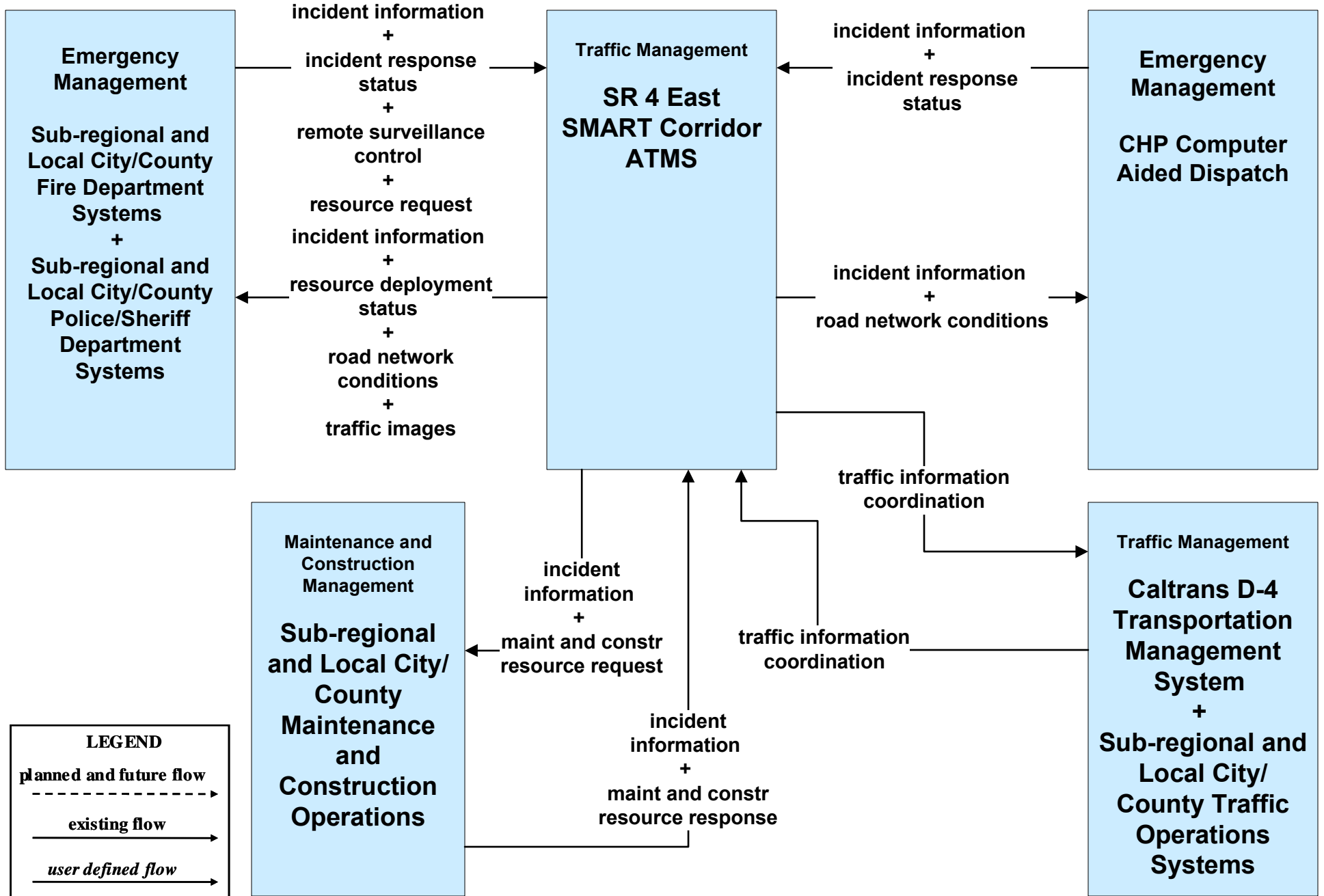
# ATMS08 - Incident Management

## Silicon Valley ATMS (TM)



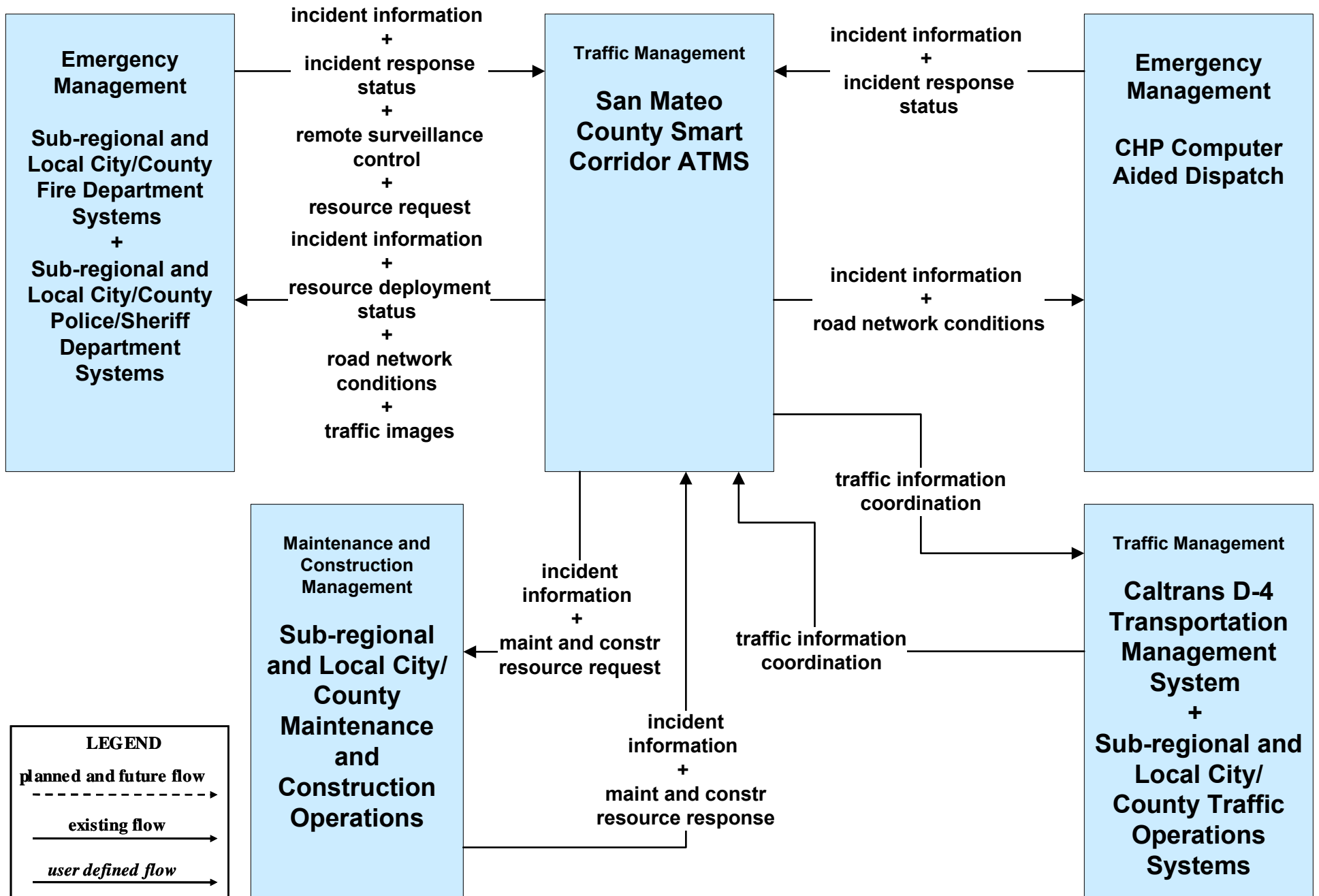
# ATMS08 - Incident Management

## SR 4 ATMS (TM)



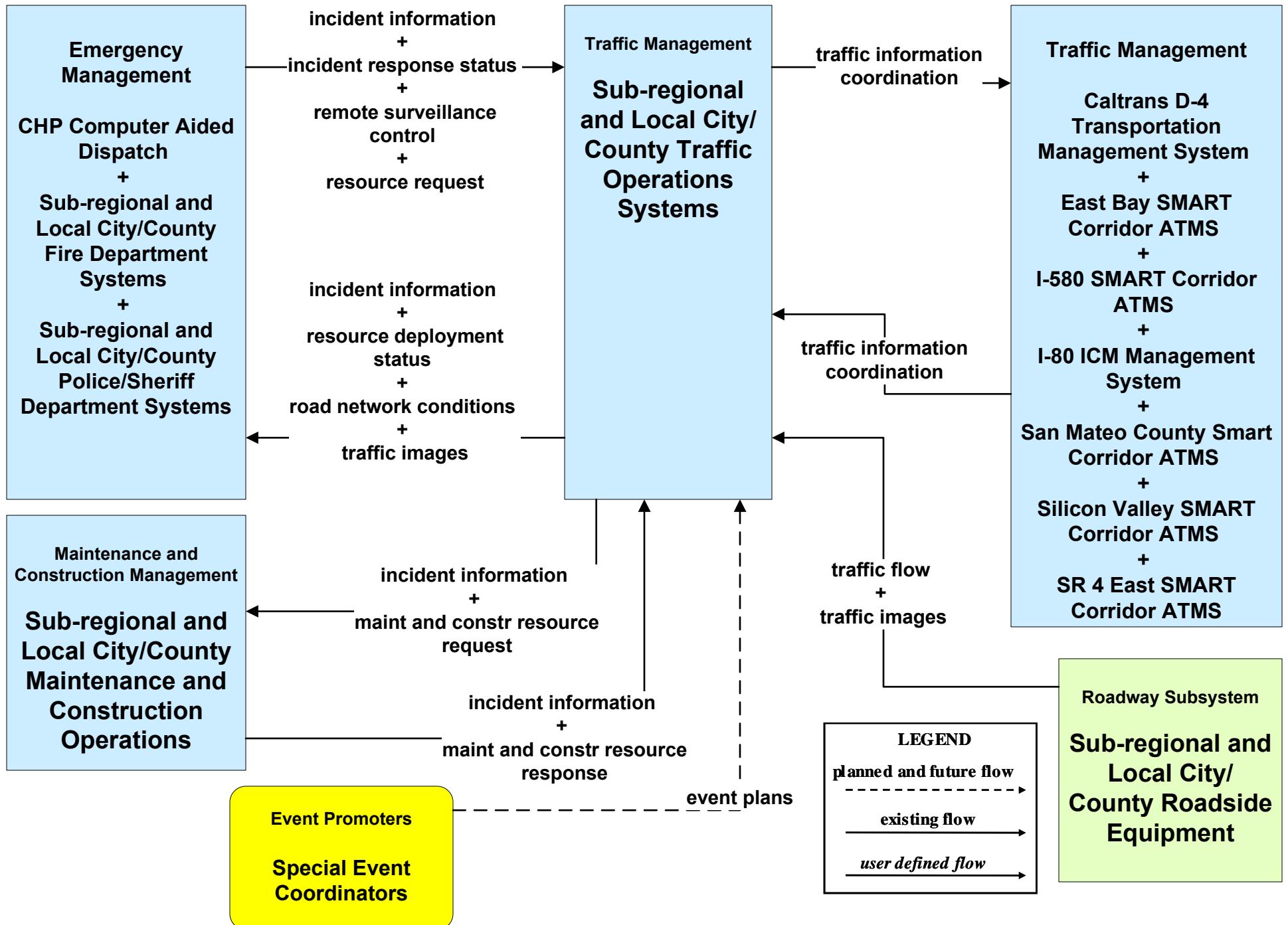


# ATMS08 - Incident Management San Mateo County Smart Corridor

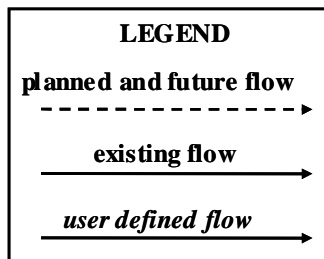
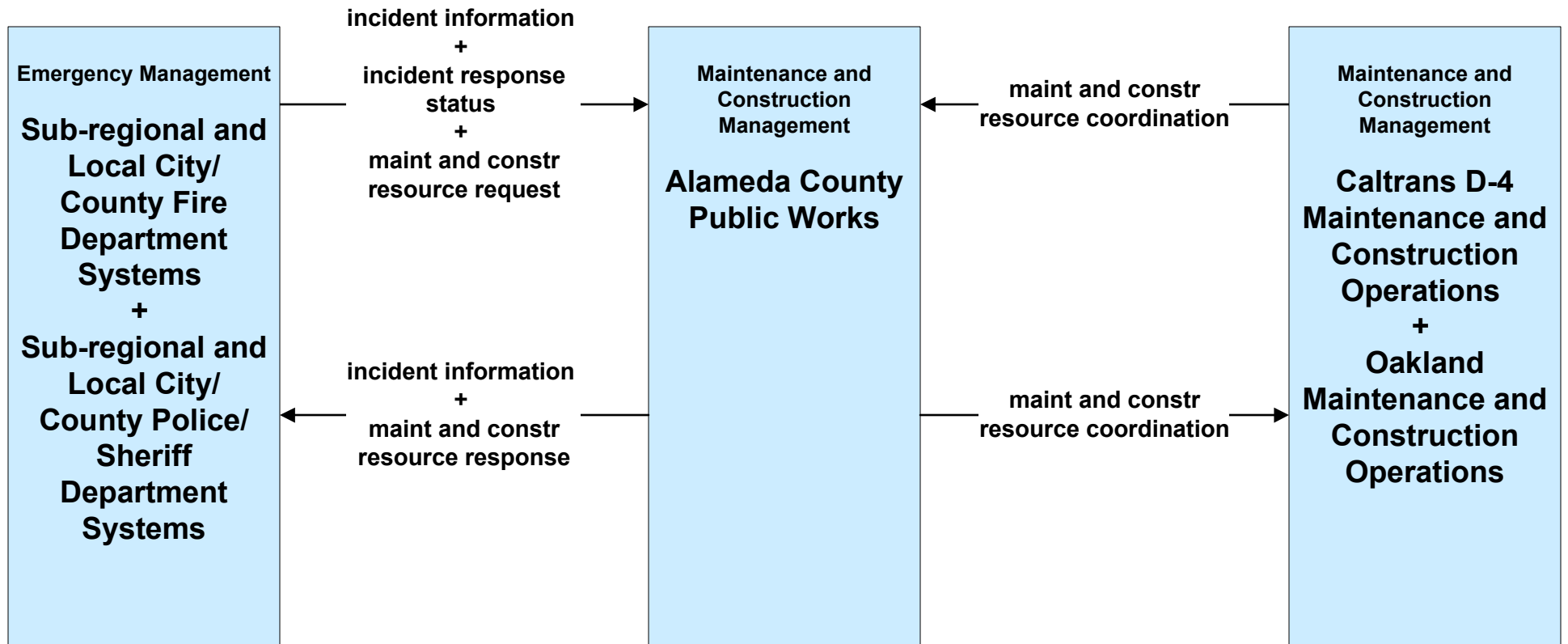


# ATMS08 - Incident Management

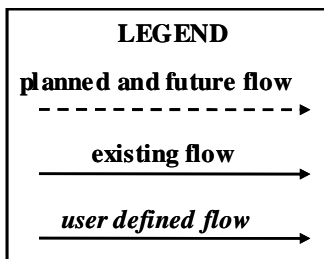
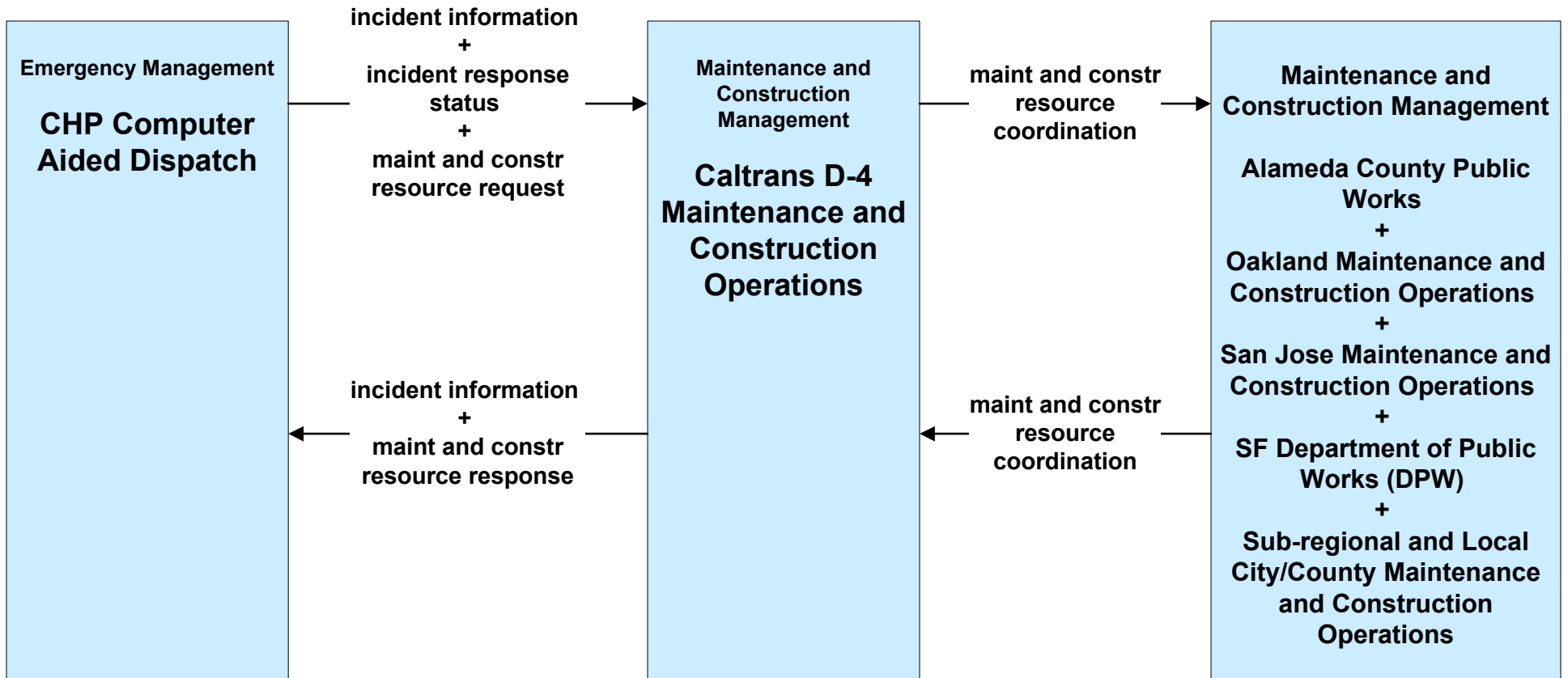
## Local City/County Traffic Operations (TM)



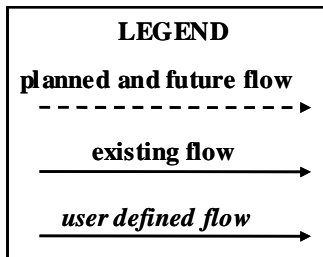
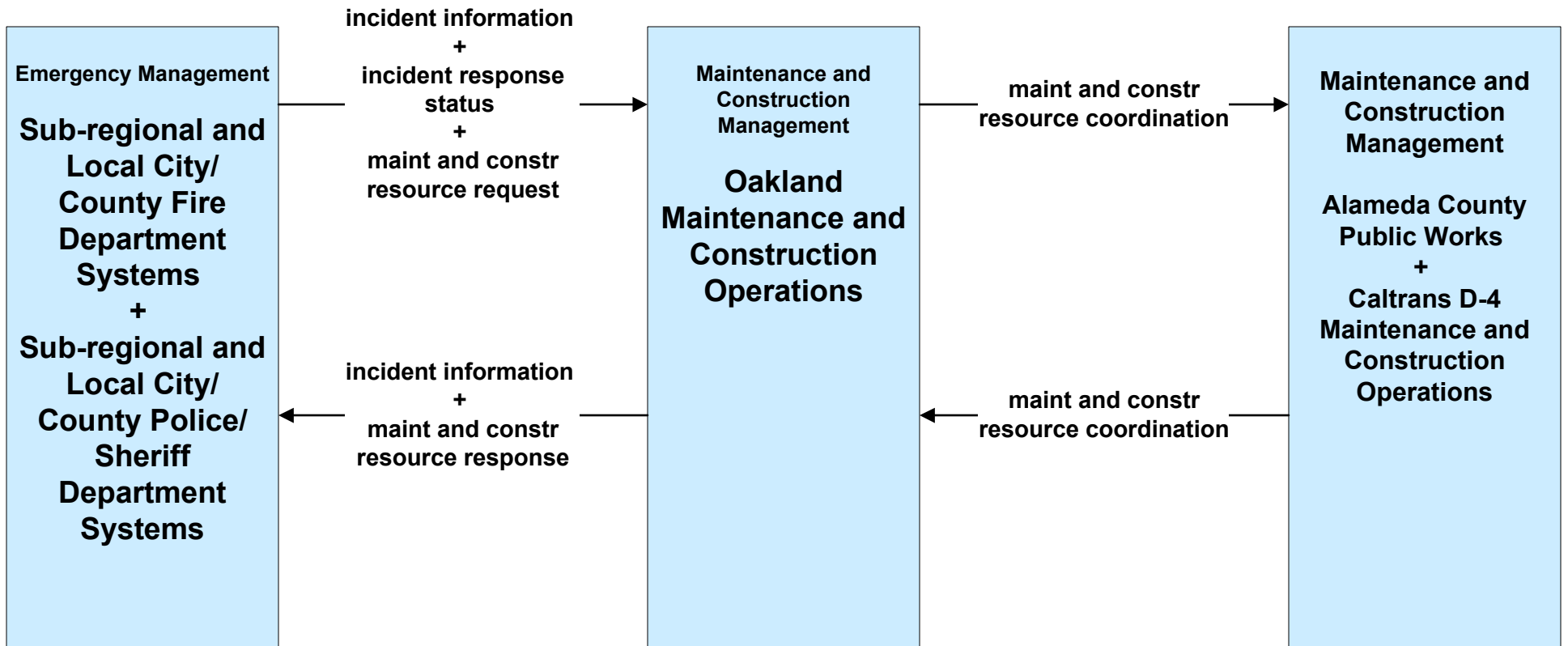
**ATMS08 - Incident Management  
Alameda County (EM to MCM)**



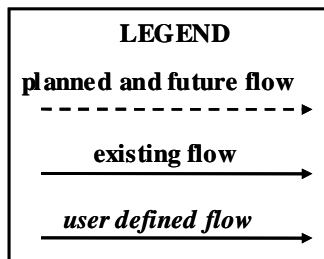
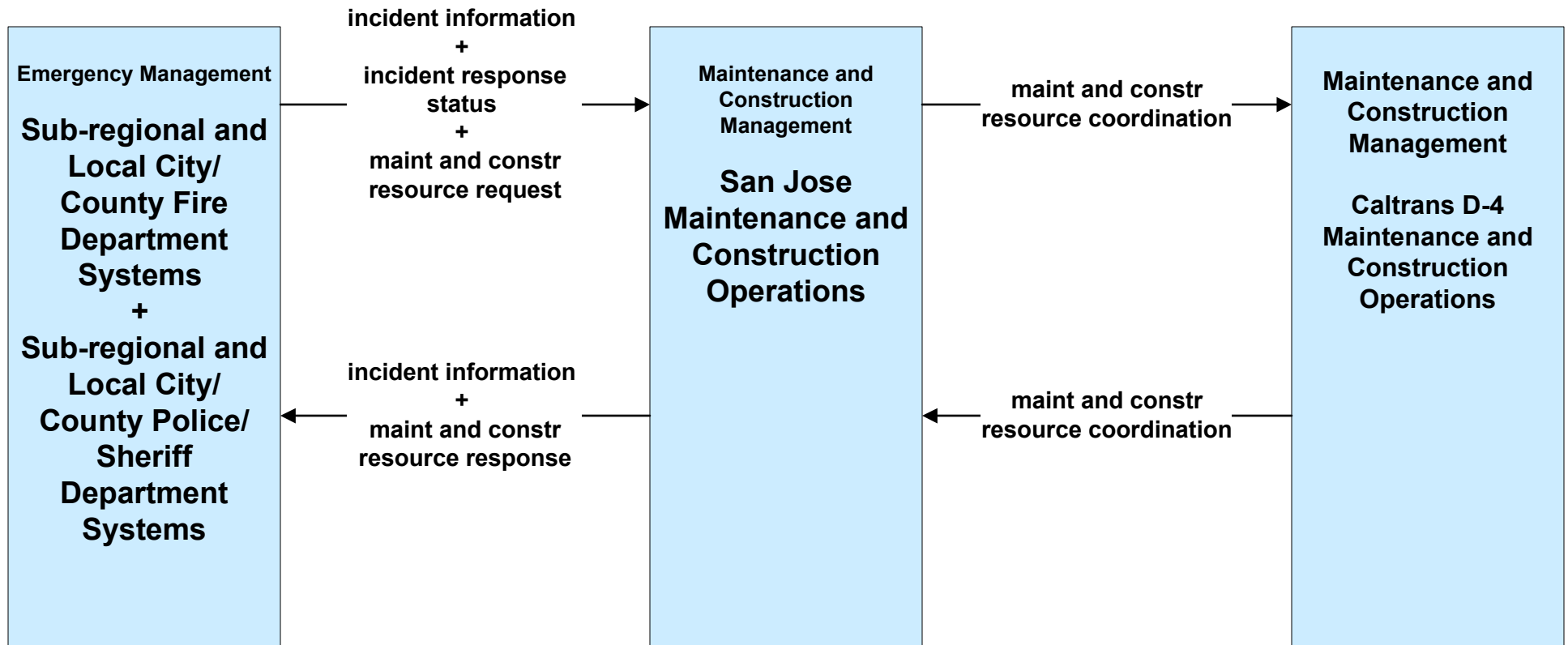
## ATMS08 - Incident Management Caltrans D-4 Maintenance



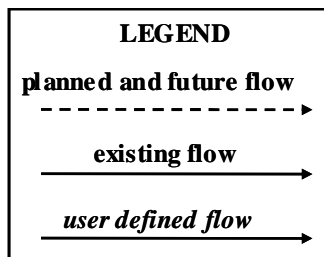
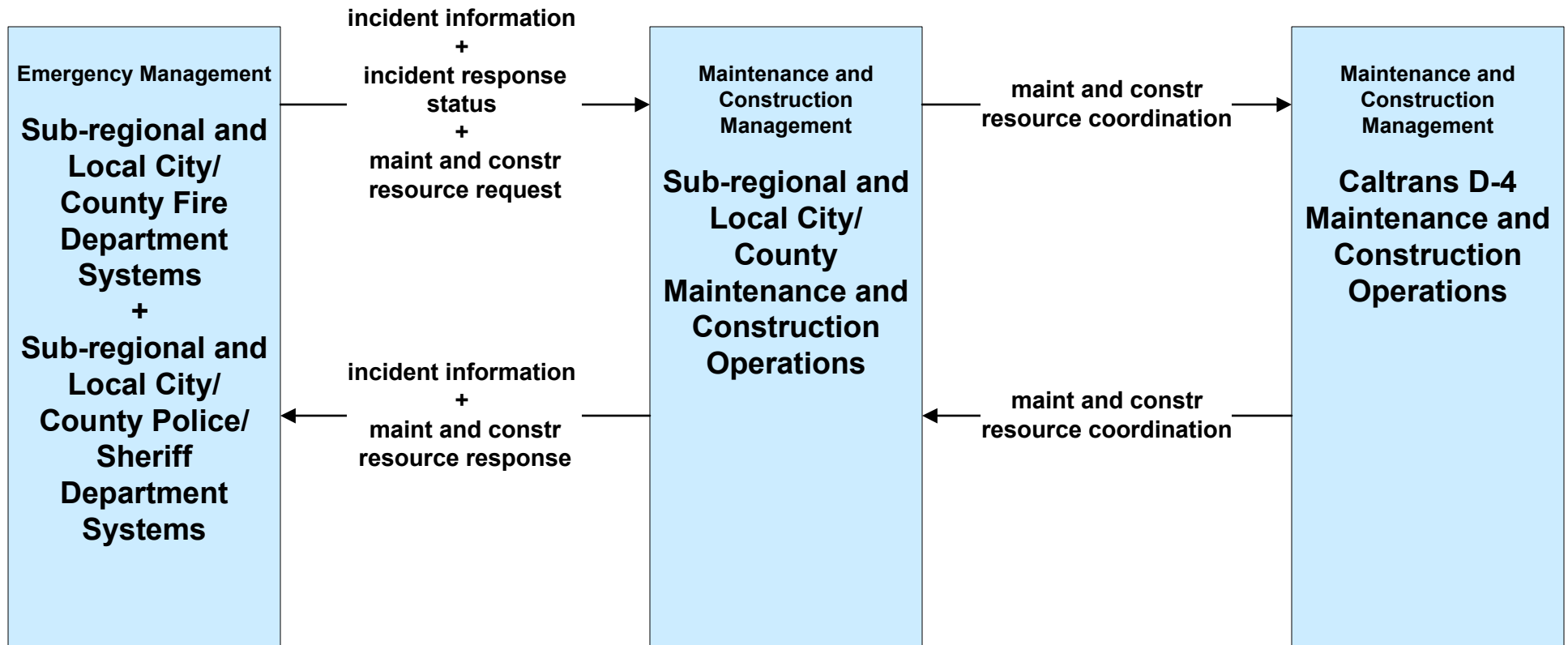
## ATMS08 - Incident Management Oakland Maintenance



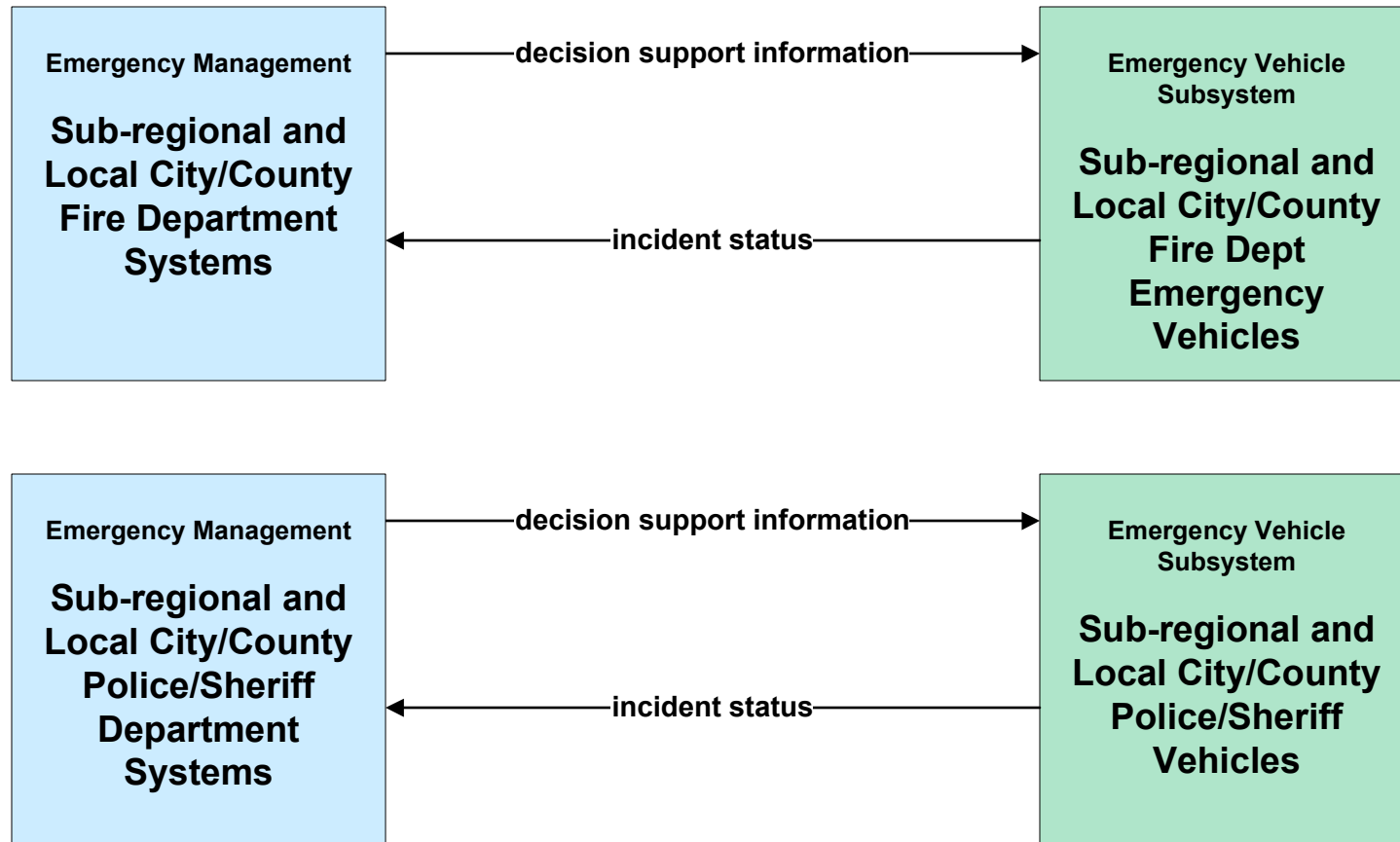
## ATMS08 - Incident Management San Jose Maintenance



**ATMS08 - Incident Management**  
**Sub-regional and Local City/County Maintenance**

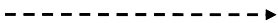


**ATMS08 - Incident Management  
Municipalities (EM to EVS)**



**LEGEND**

**planned and future flow**



**existing flow**

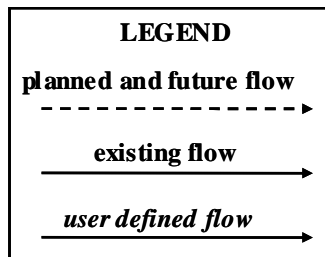
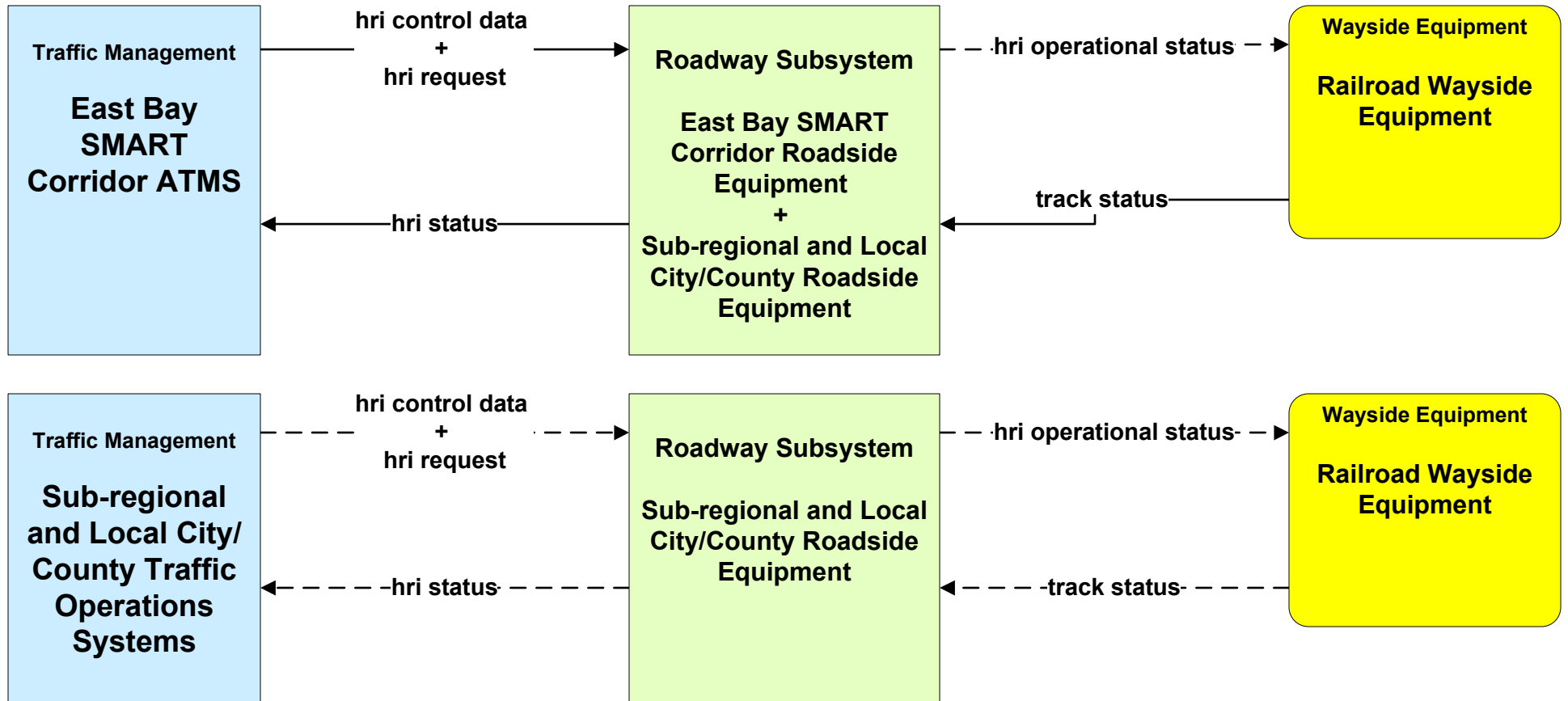


***user defined flow***

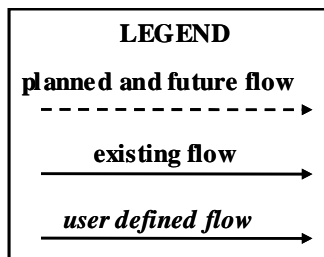
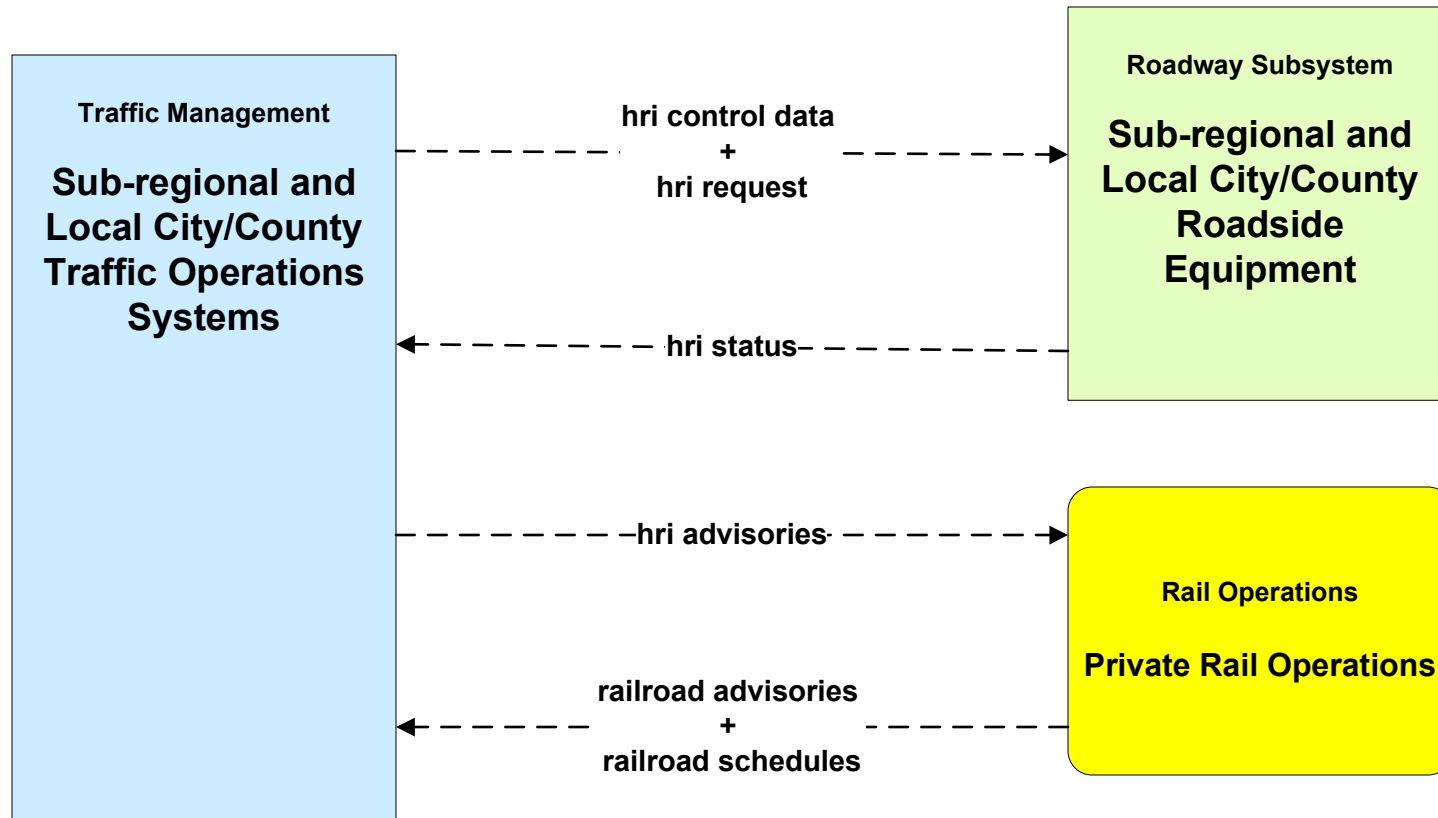




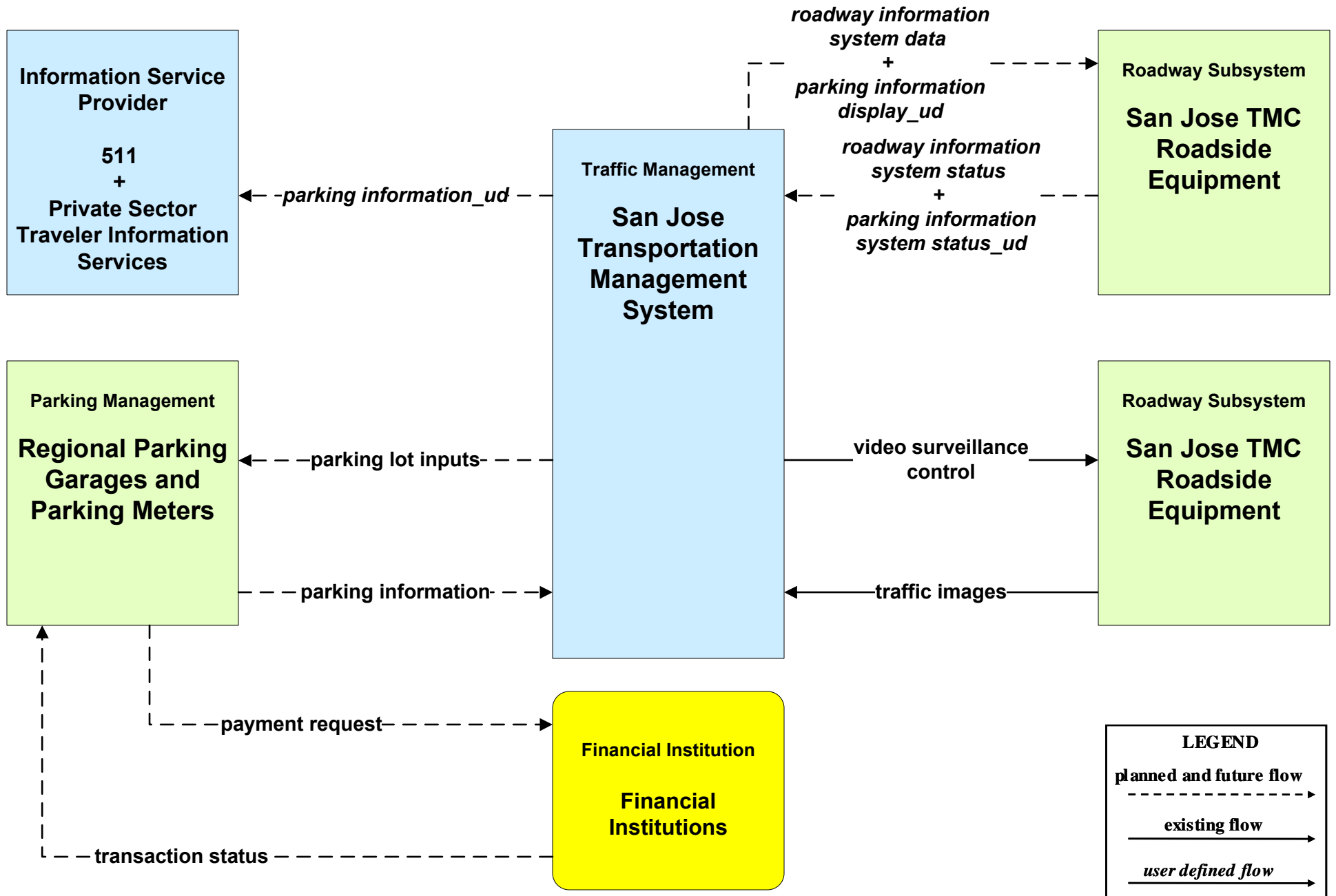
**ATMS13 - Standard Railroad Crossing**  
**East Bay Smart ATMS / Local City/County**



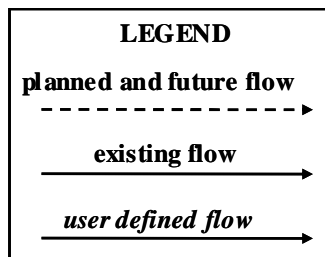
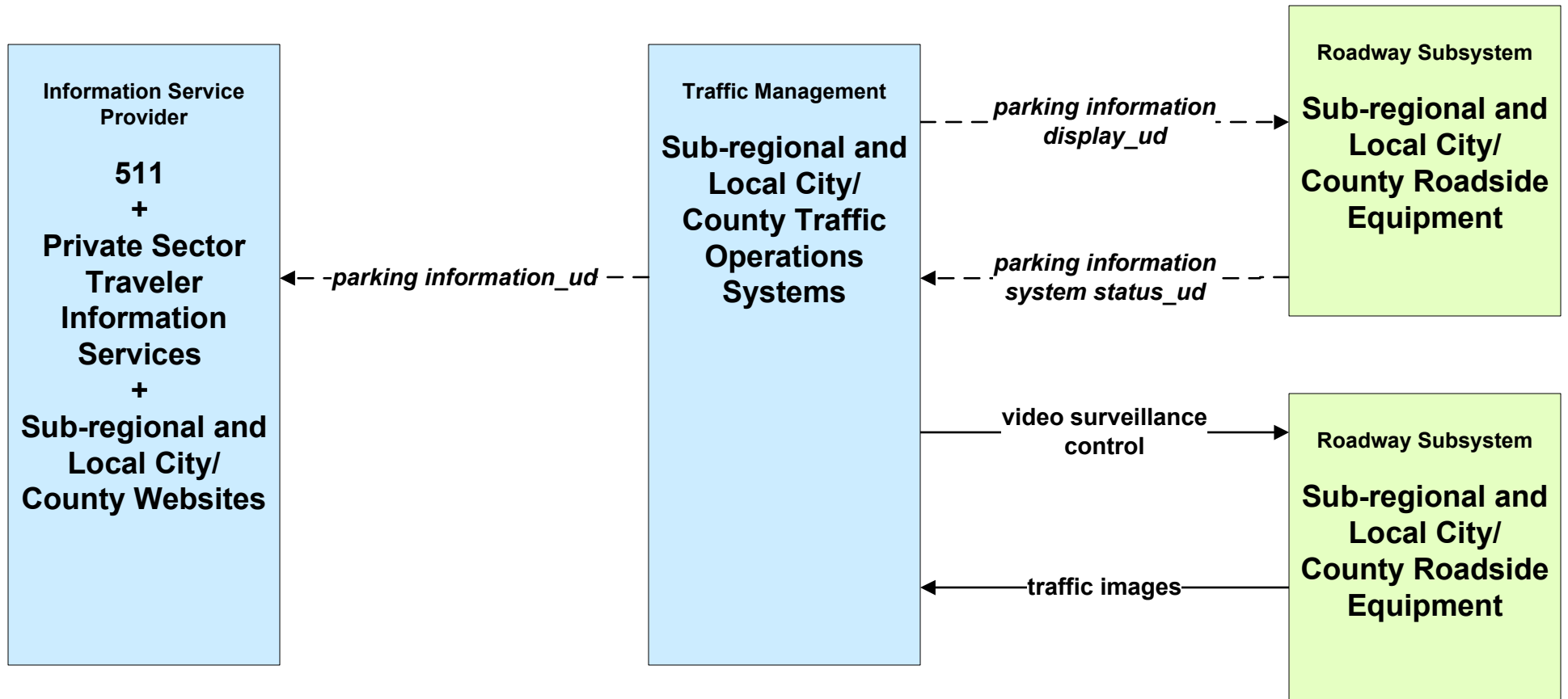
# ATMS15 - Railroad Operations Coordination Local City/County TOS



# ATMS16 - Parking Facility Management San Jose Parking Guidance System



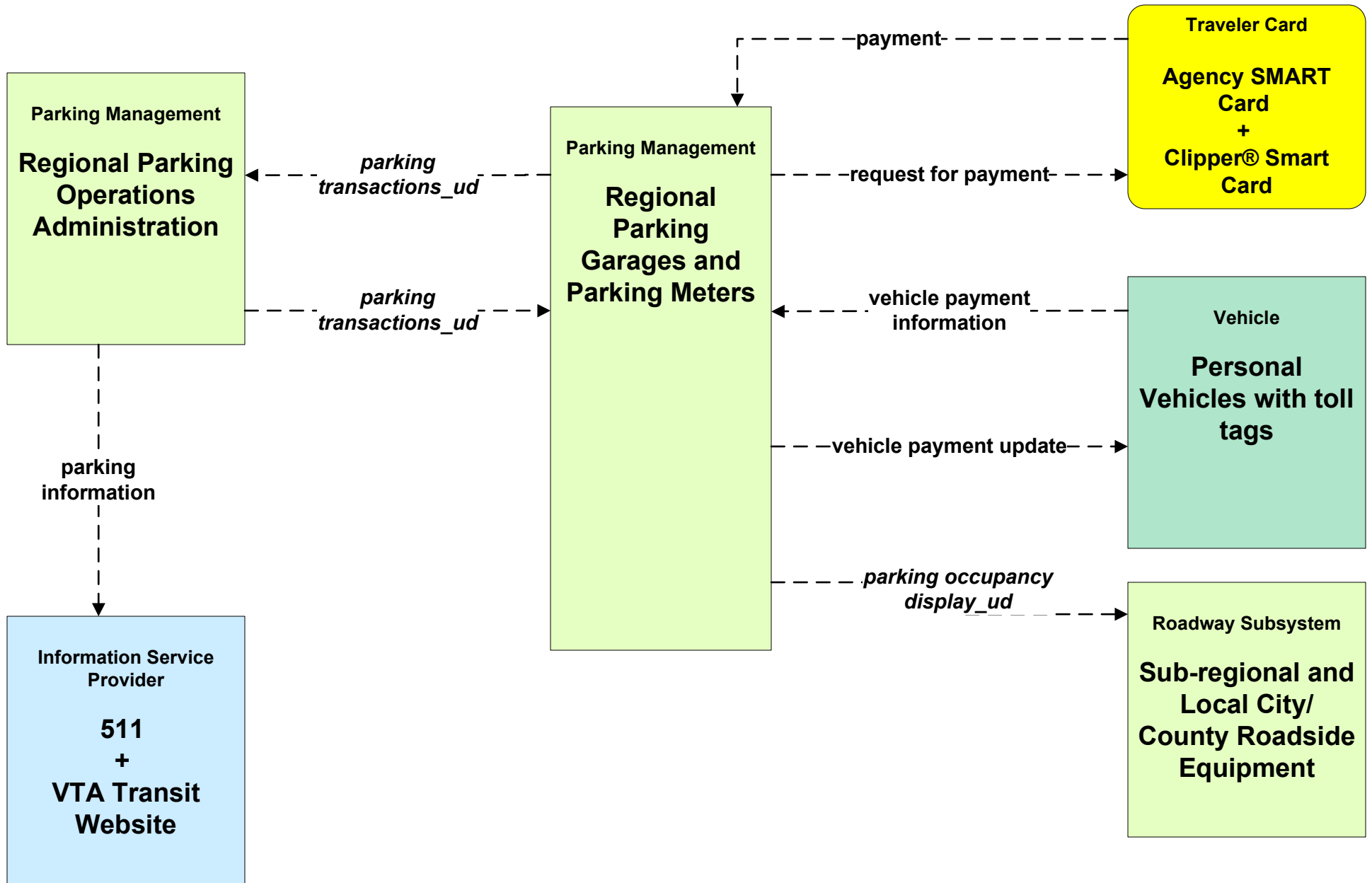
## ATMS16 - Parking Facility Management Local City/County Systems



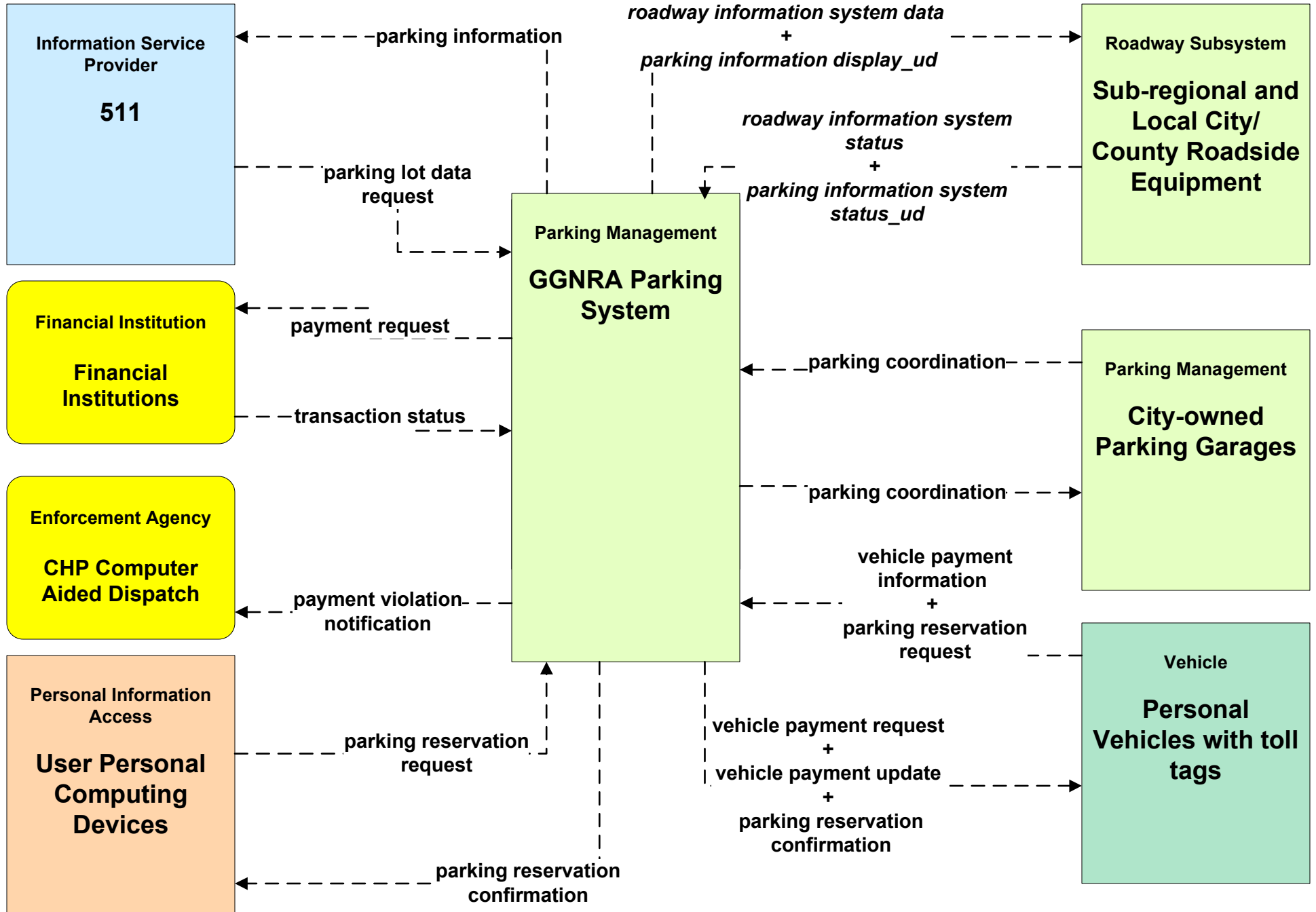
*NOTE: Electronic enforcement and parking management in downtown Gilroy.*

# ATMS16 - Parking Facility Management

## Local City/County Systems

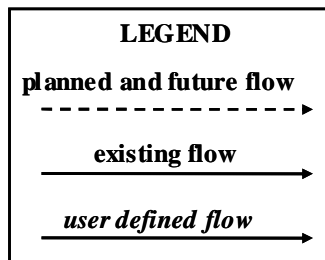
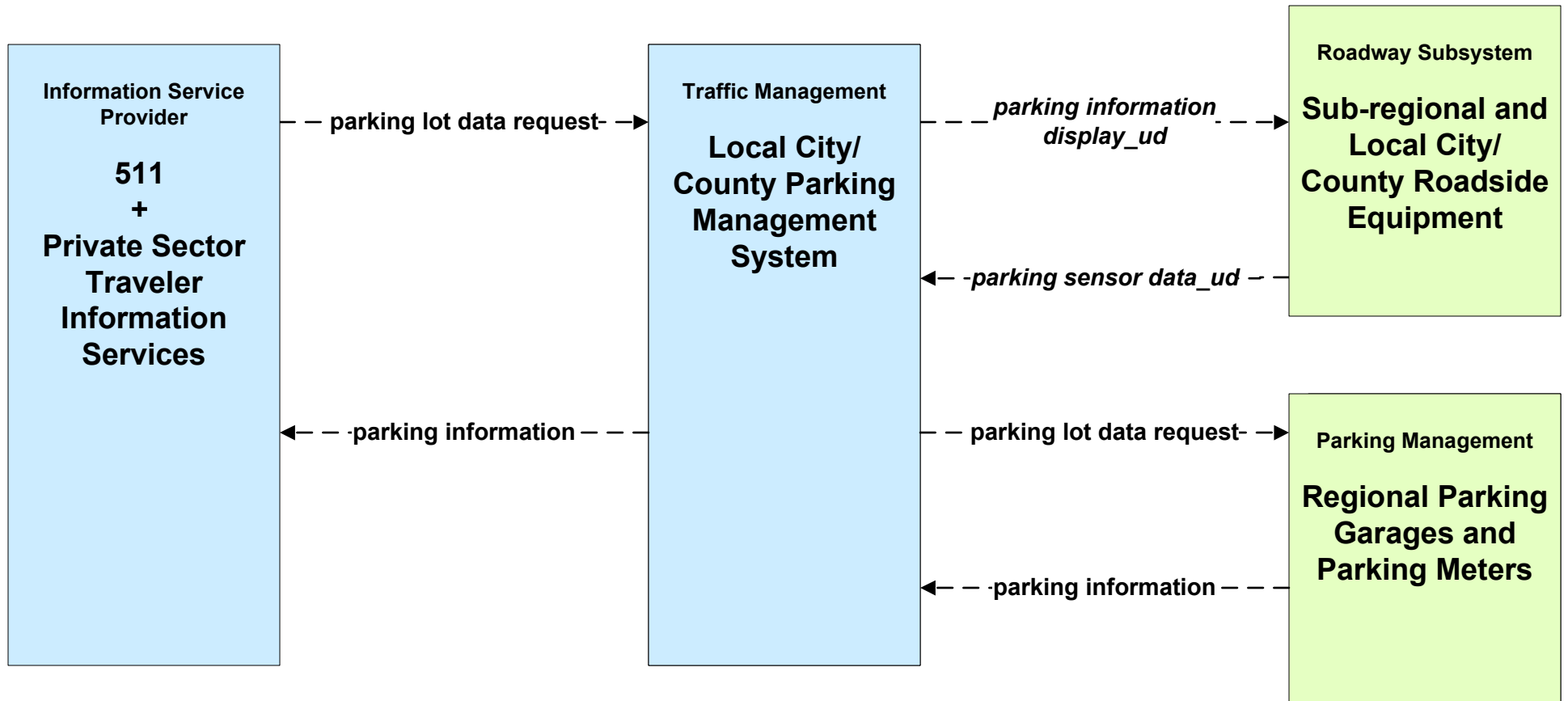


# ATMS16 - Parking Facility Management GGNRA Parking System



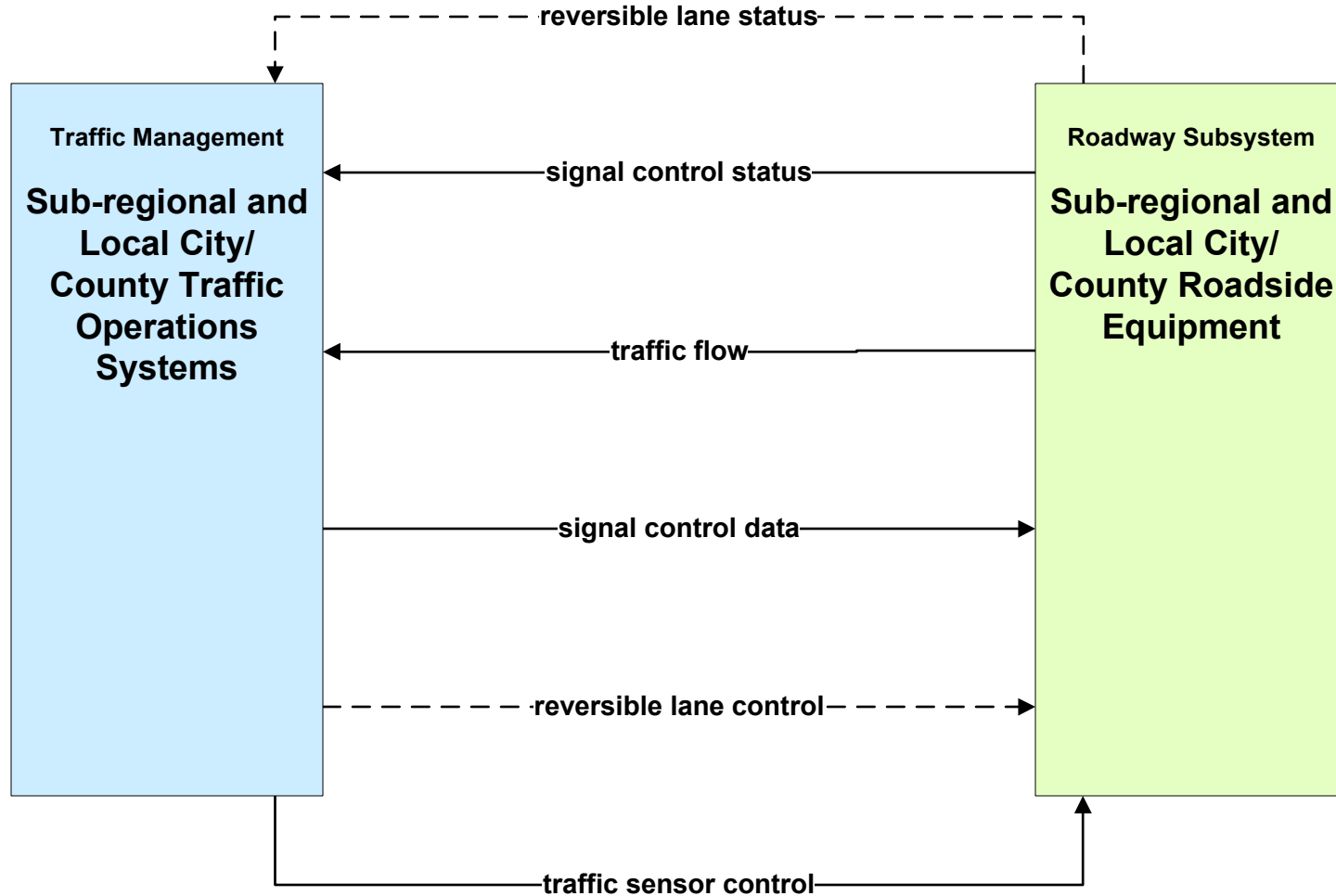
# ATMS17 – Regional Parking Management

## Local City/County Real Time Parking Information/ Parking Guidance



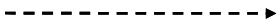
*Provide real time information on Regional Parking Garages as well as parking guidance in the form of Dynamic Message Sign displays*

# ATMS18 - Reversible Lane Management Sub-regional and Local City/County



## LEGEND

**planned and future flow**



**existing flow**



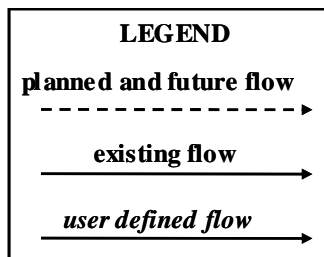
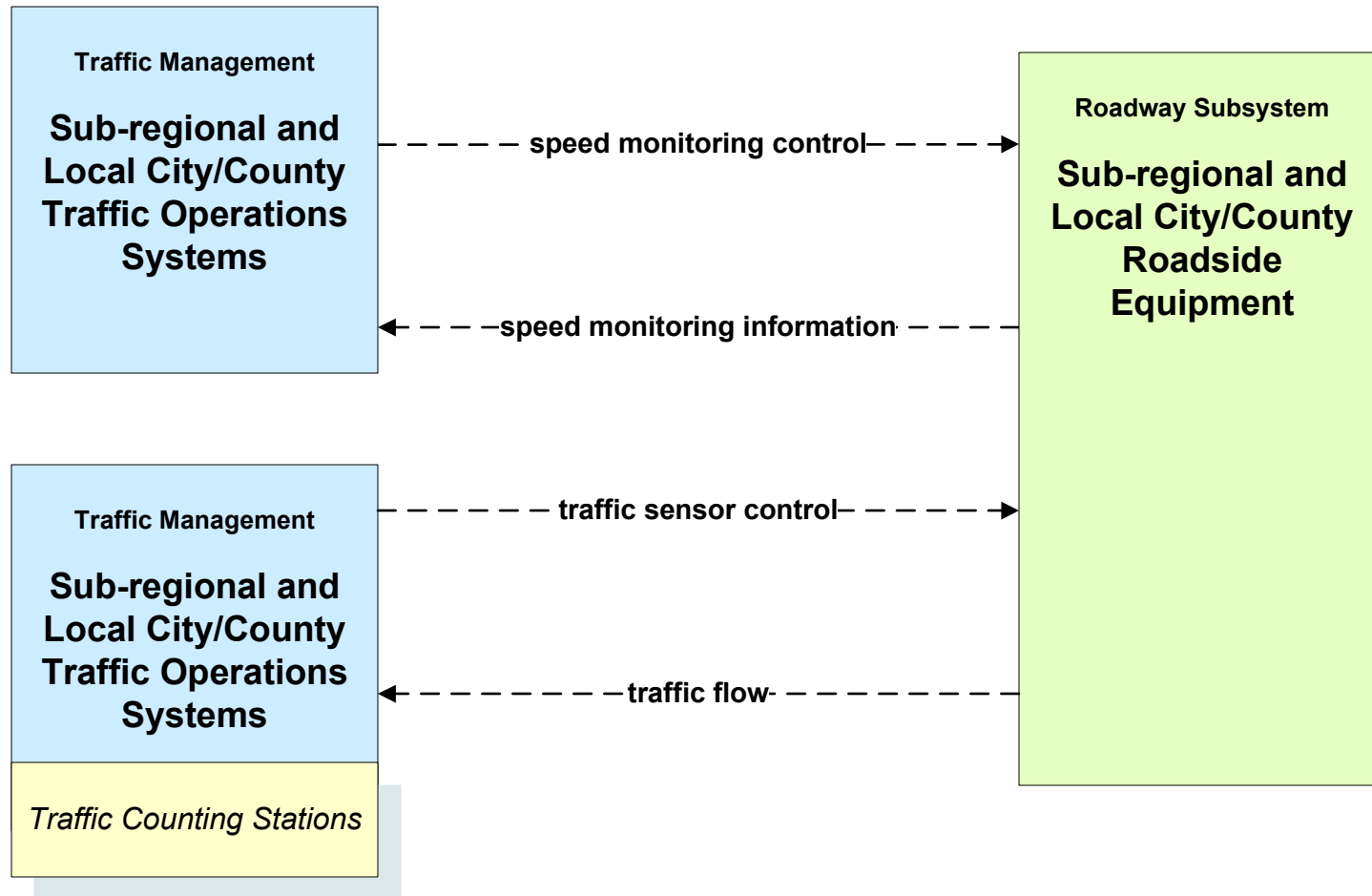
***user defined flow***



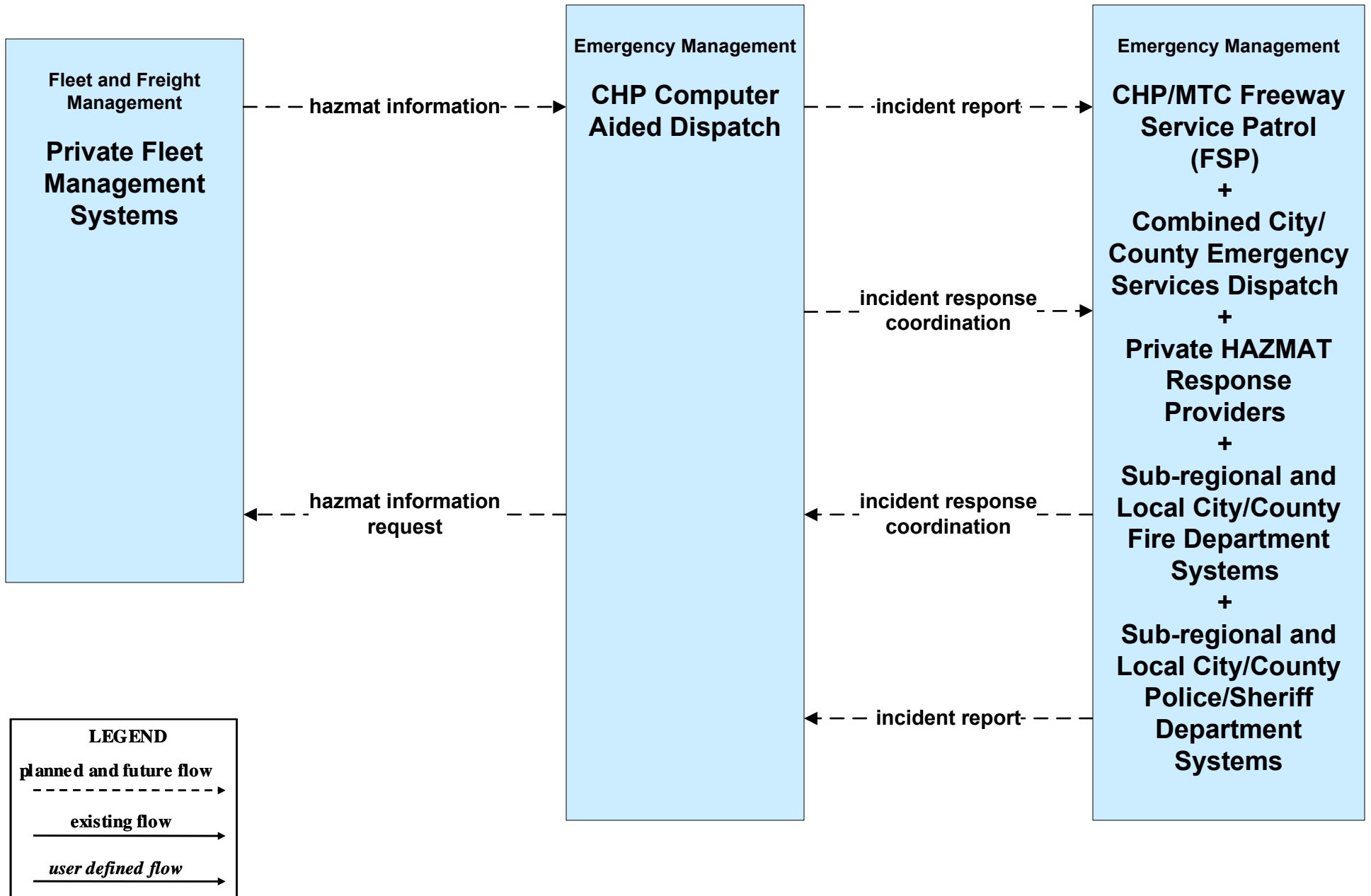


# ATMS19 - Speed Monitoring

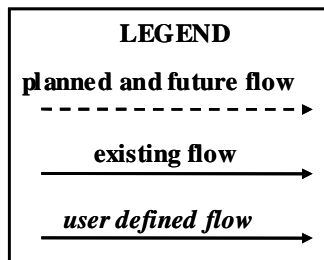
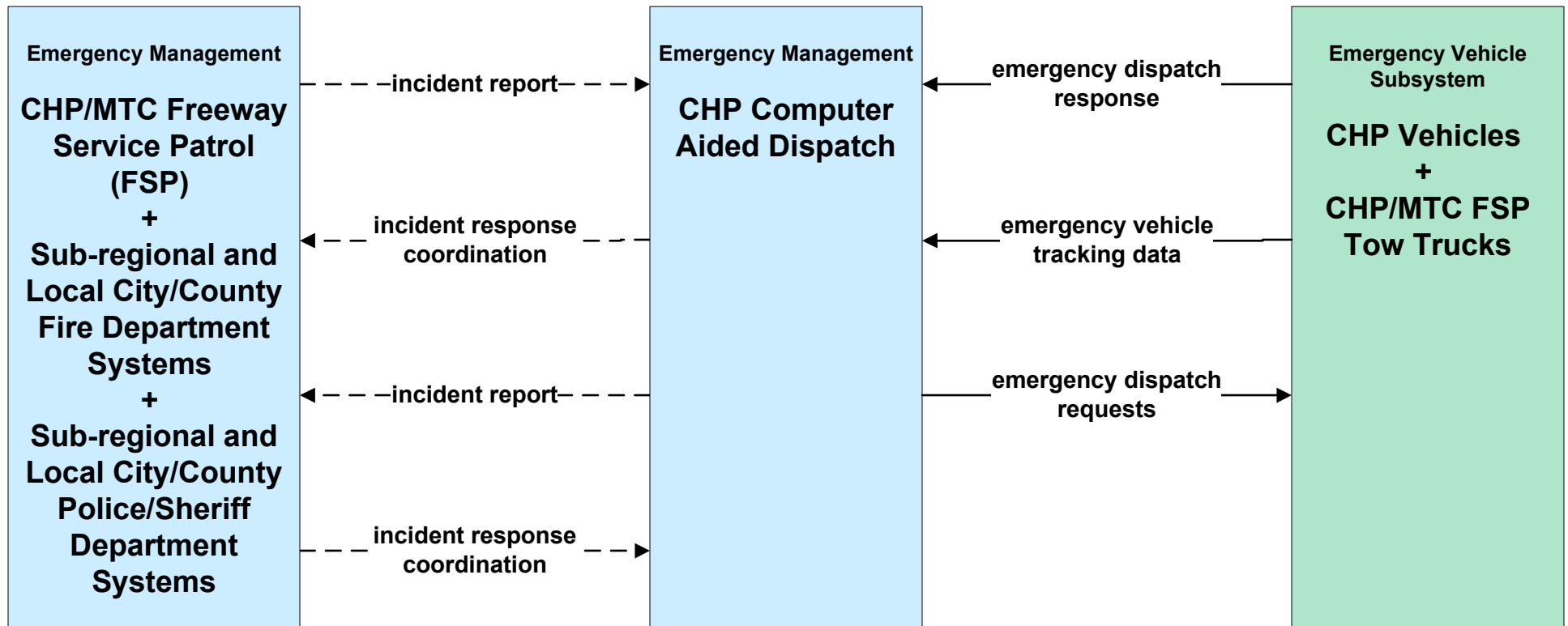
## Local City/County Speed Monitoring and Traffic Counting Stations



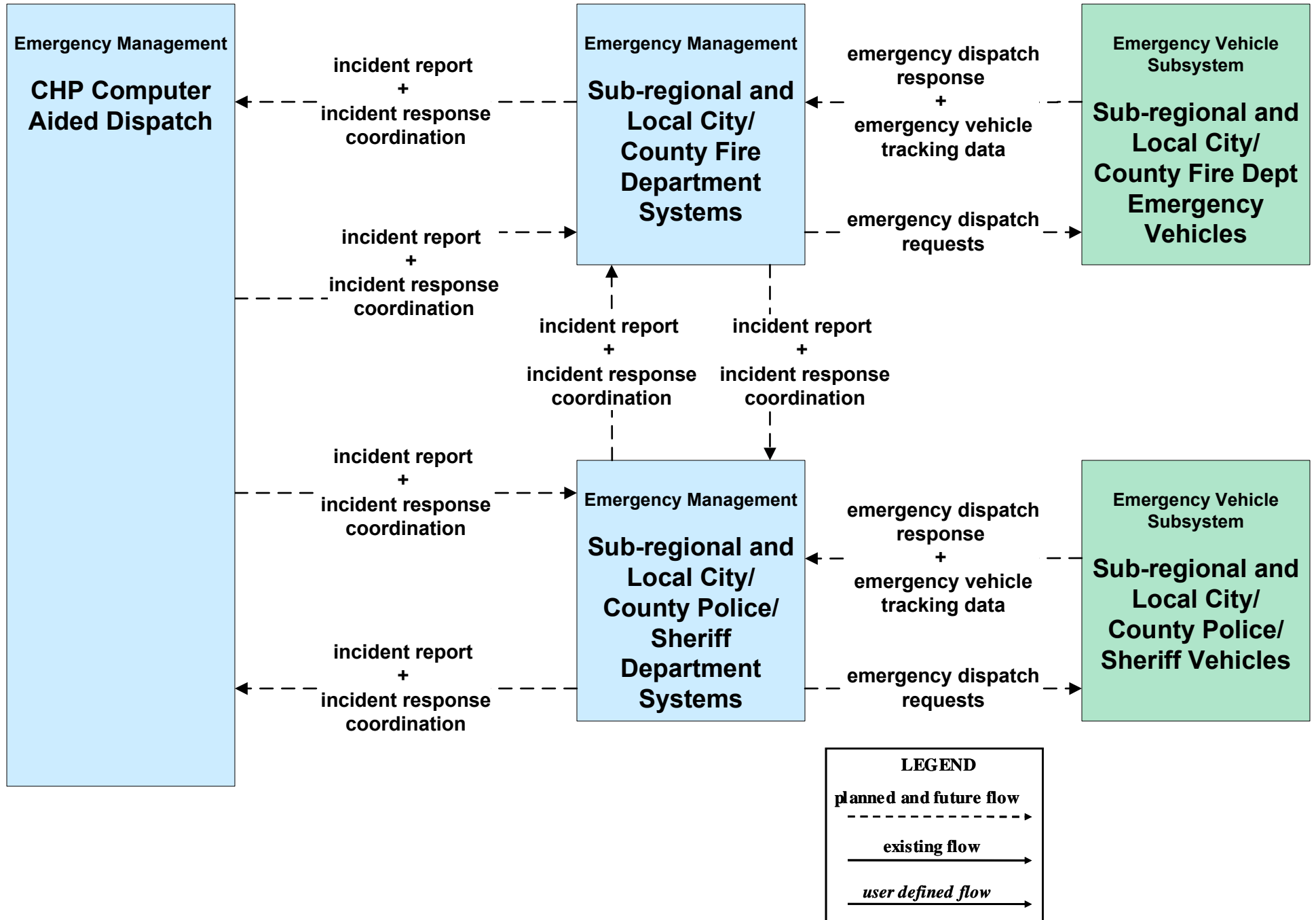
# CVO10 - HAZMAT Management Commercial Vehicles



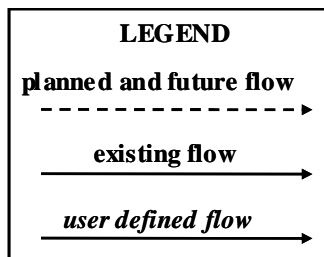
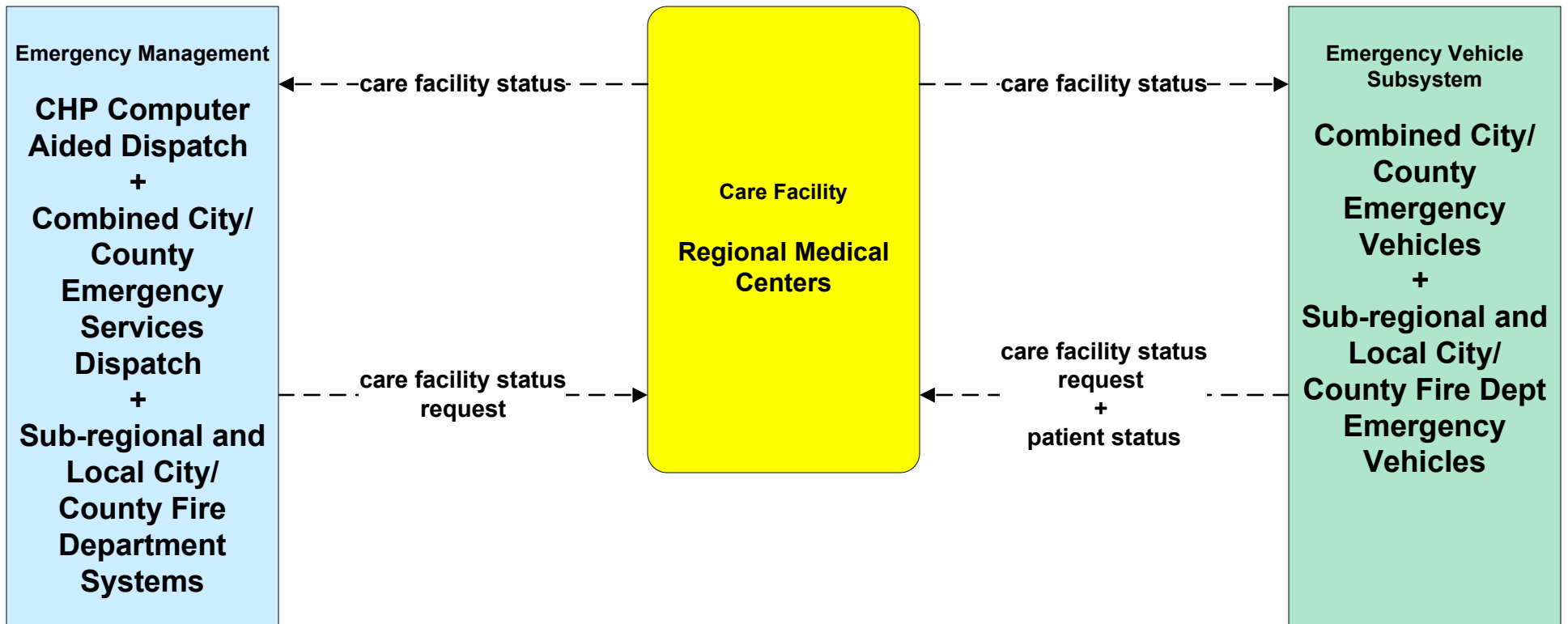
## EM01 - Emergency Call-Taking and Dispatch CHP



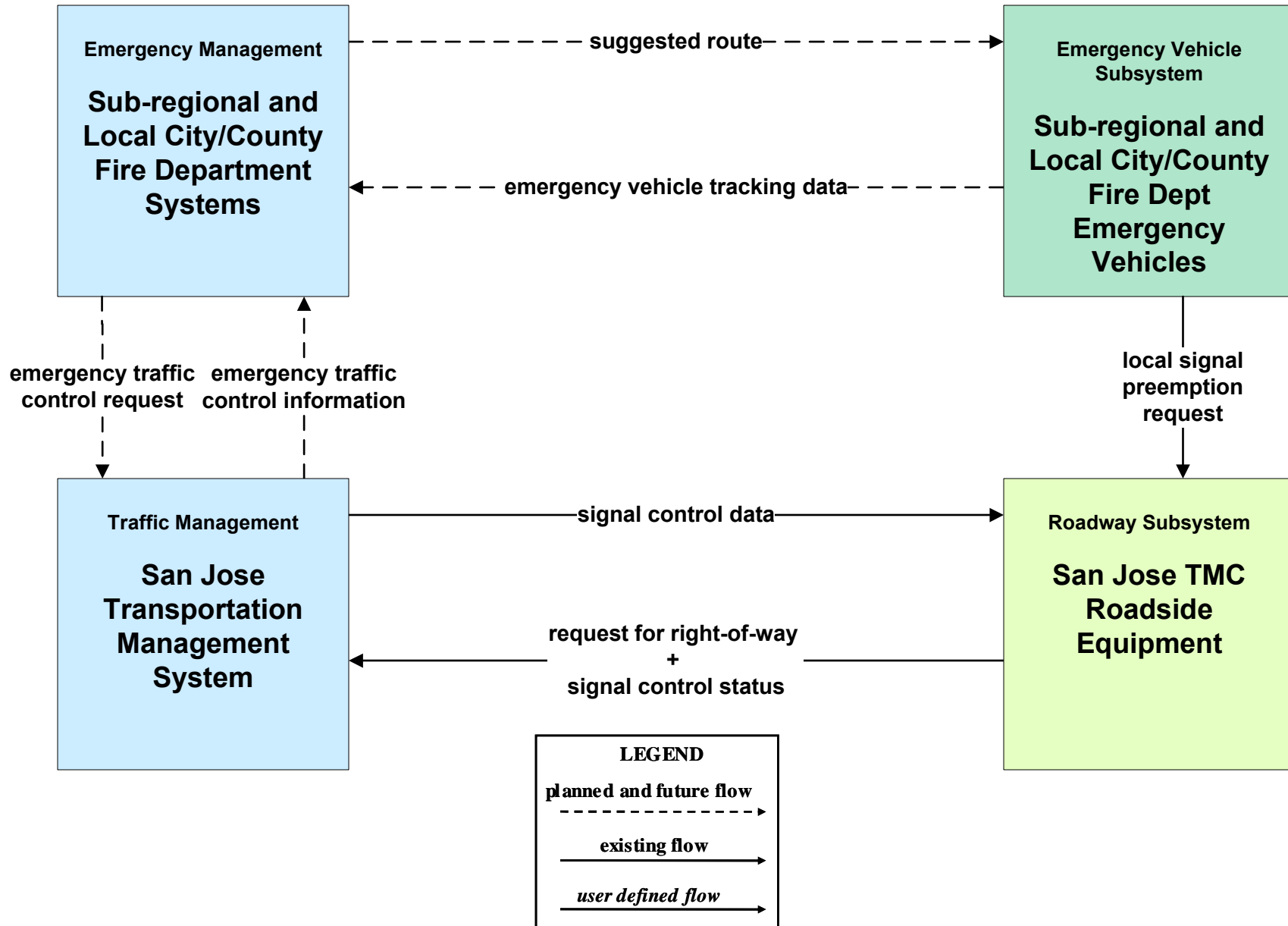
## EM01 - Emergency Call-Taking and Dispatch Municipalities



## EM02 - Emergency Routing Regional Medical Centers

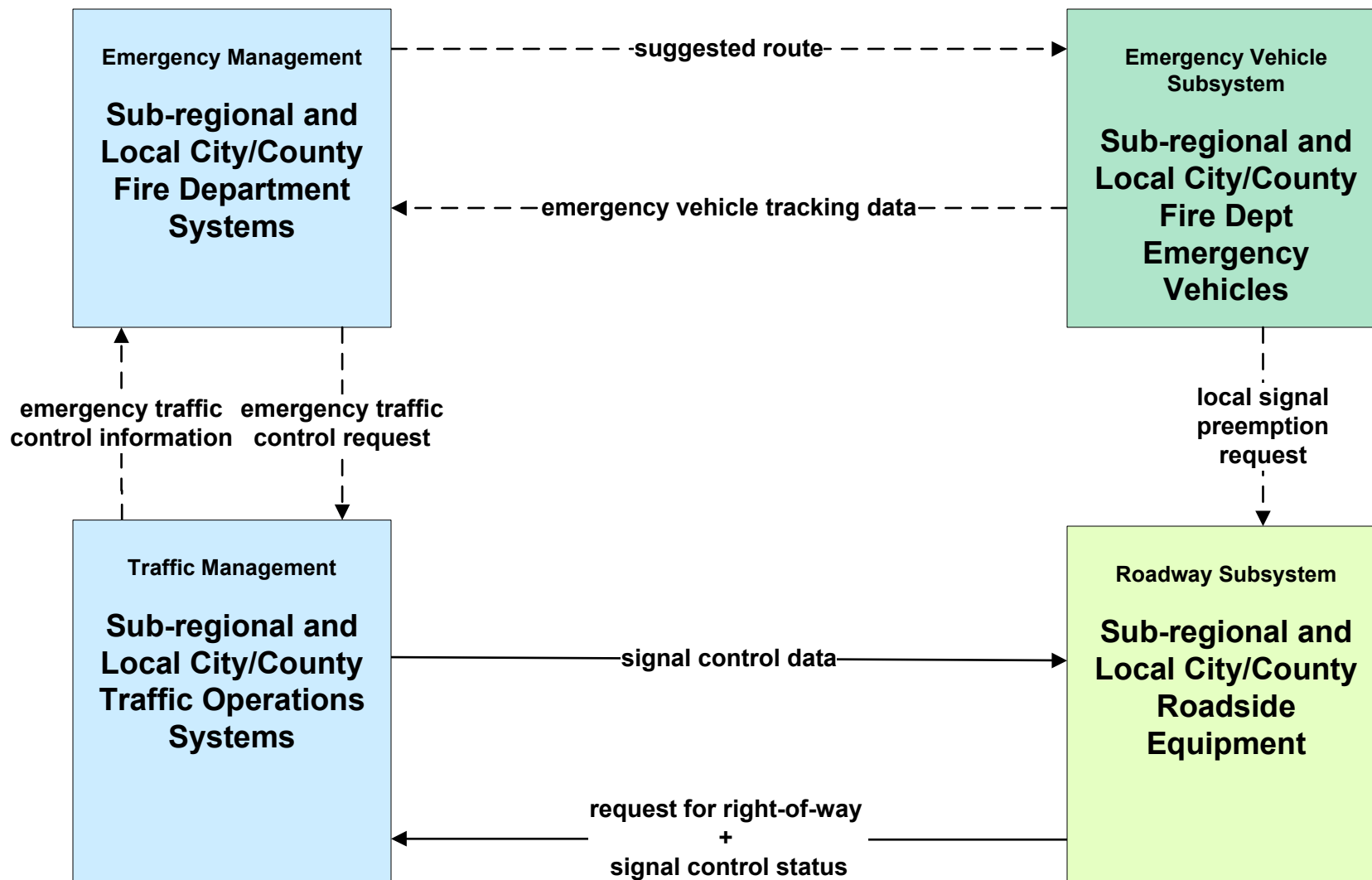


**EM02 - Emergency Routing**  
**Sub-regional and Local City/County Fire Dept Vehicles (1 of 3)**

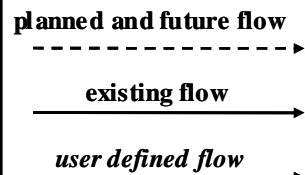


## EM02 - Emergency Routing

### Sub-regional and Local City/County Fire Dept Vehicles (2 of 3)

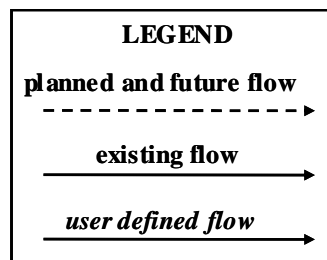
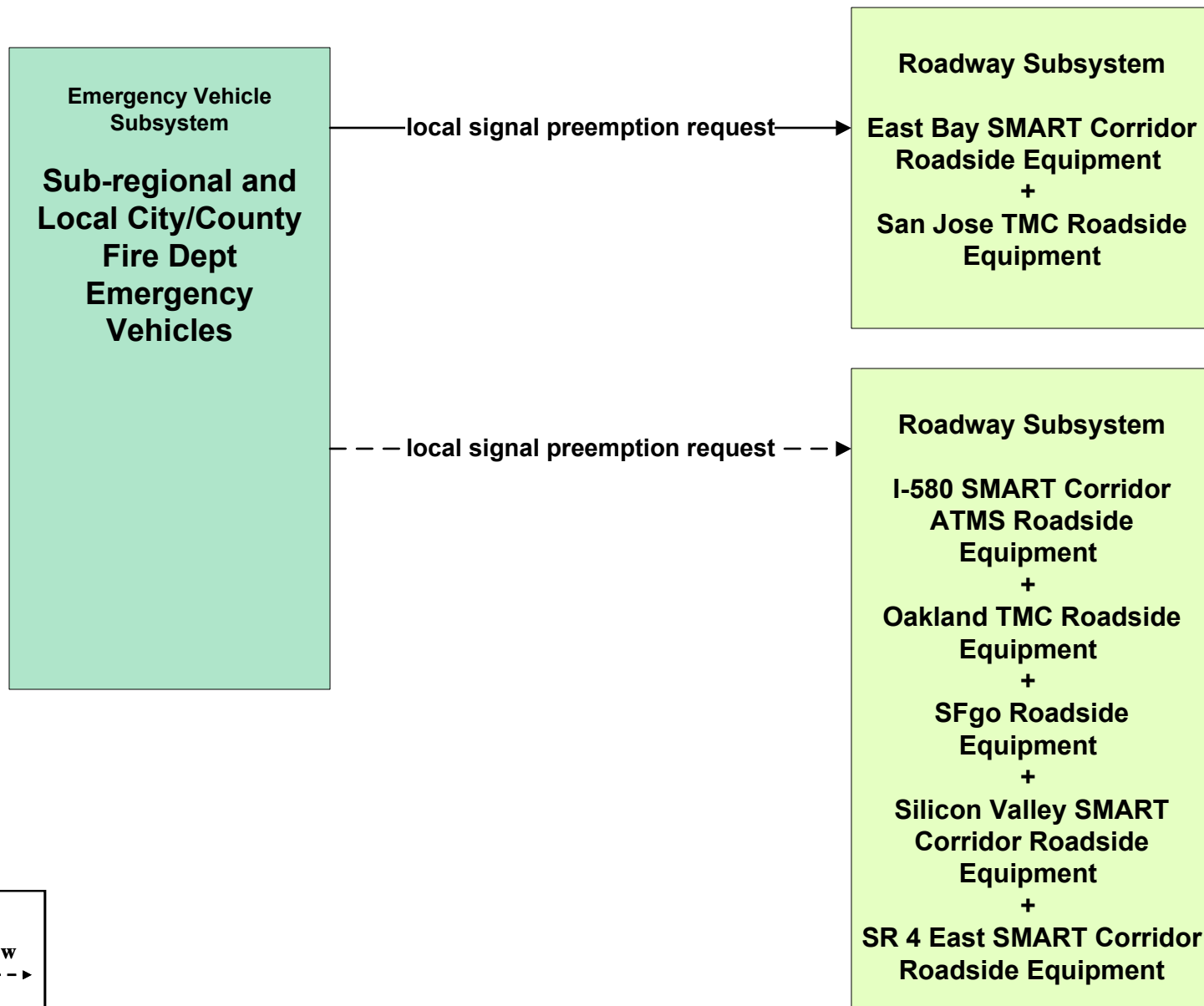


#### LEGEND



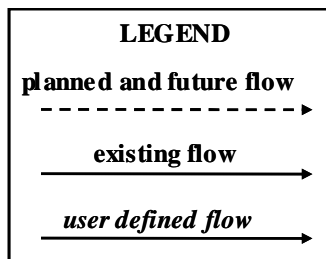
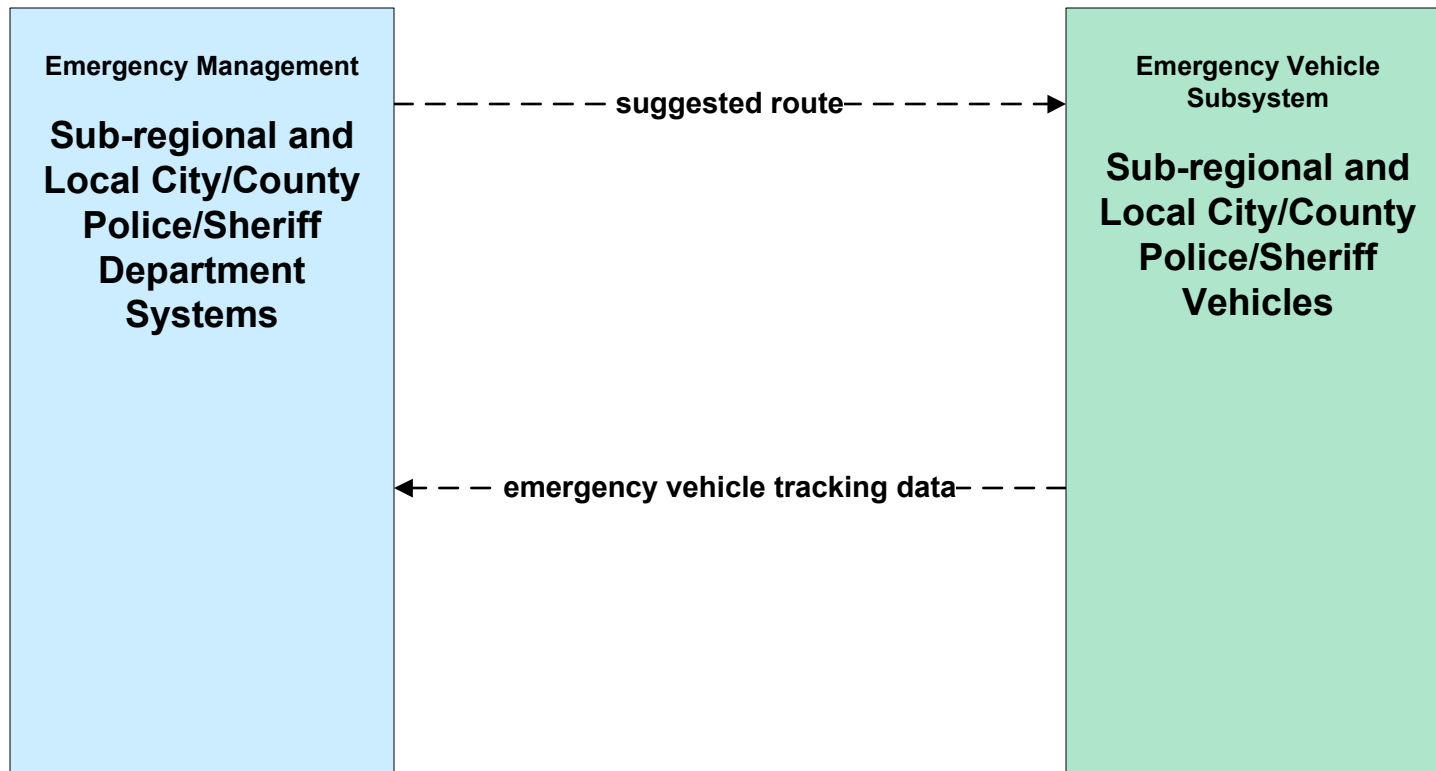
*NOTE: Local City/County includes but is not limited to Antioch, Campbell, Cupertino, Fremont, Gilroy, Livermore, Los Gatos, Palo Alto, Pleasant Hill, Pleasanton, Redwood City, San Leandro, Santa Clara, San Mateo, Sunnyvale, Vallejo, Walnut Creek*

**EM02 - Emergency Routing**  
**Sub-regional and Local City/County Fire Dept Vehicles (3 of 3)**

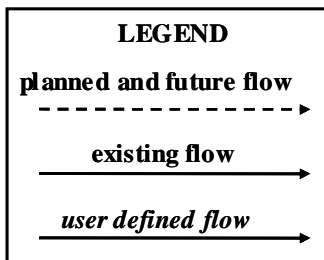
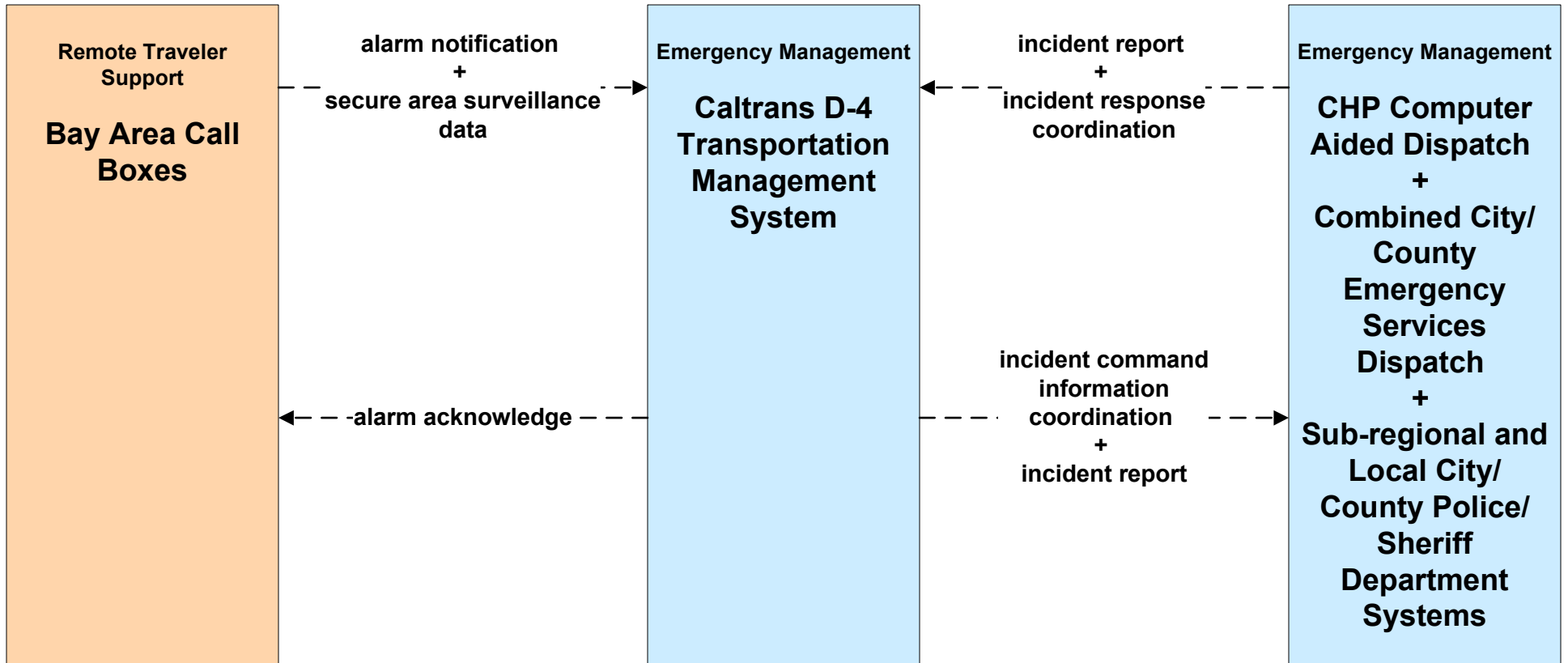




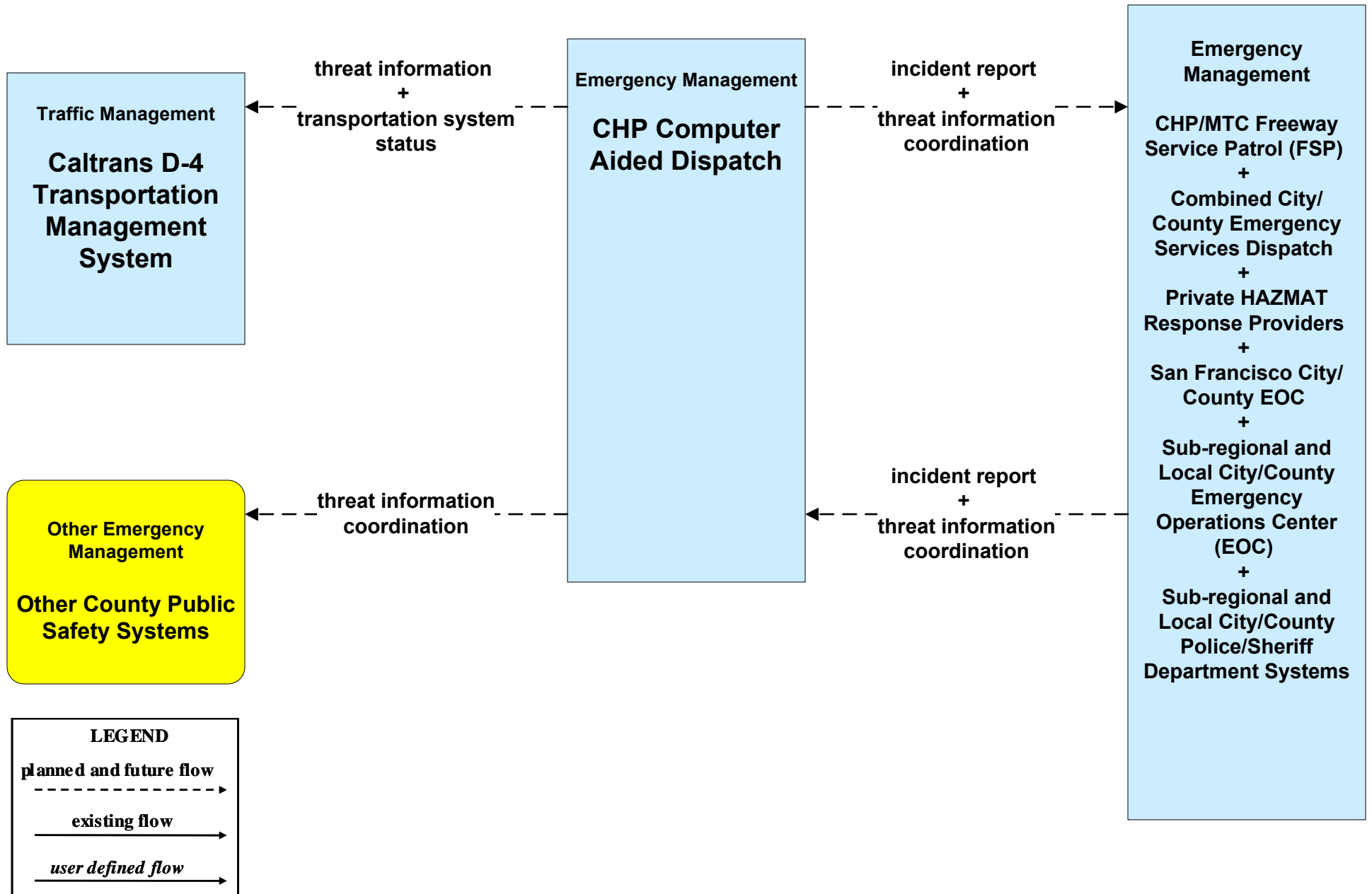
**EM02 - Emergency Routing**  
**Sub-Regional and Local City/County Police/Sheriff Vehicles**



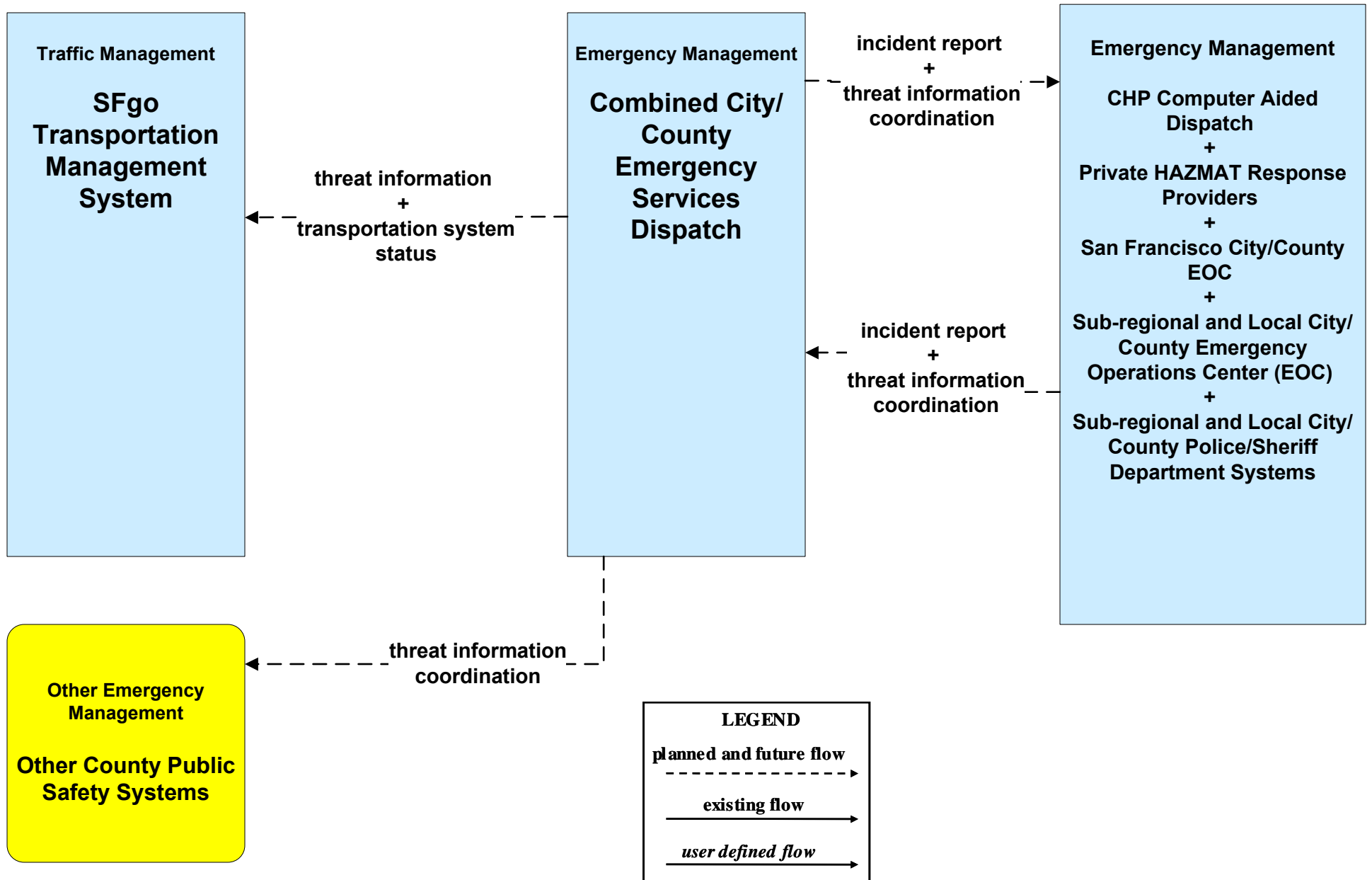
## EM03 - Mayday Support Emergency Call Box Program



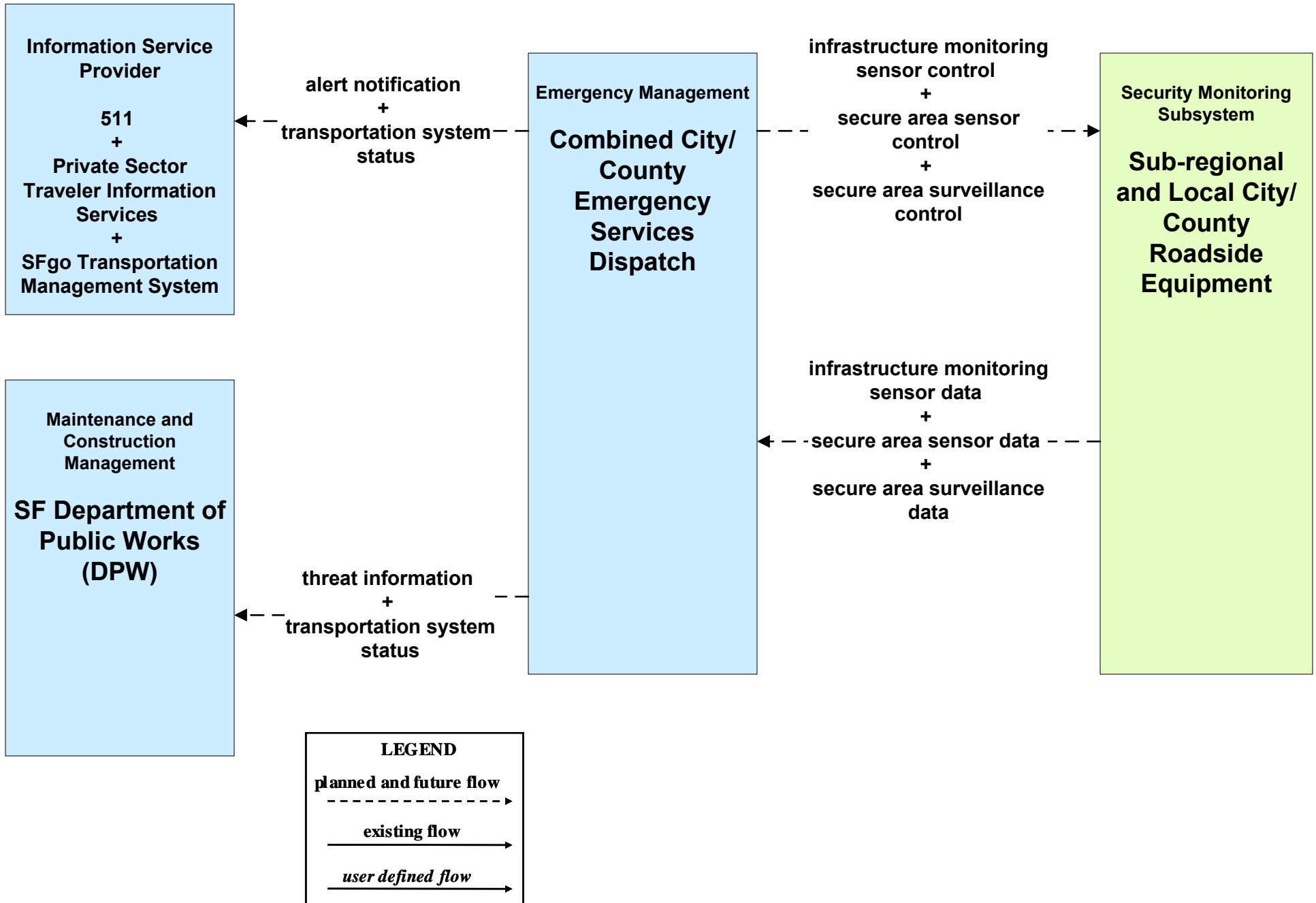
**EM05 - Transportation Infrastructure Protection**  
**CHP – Caltrans (1 of 2)**



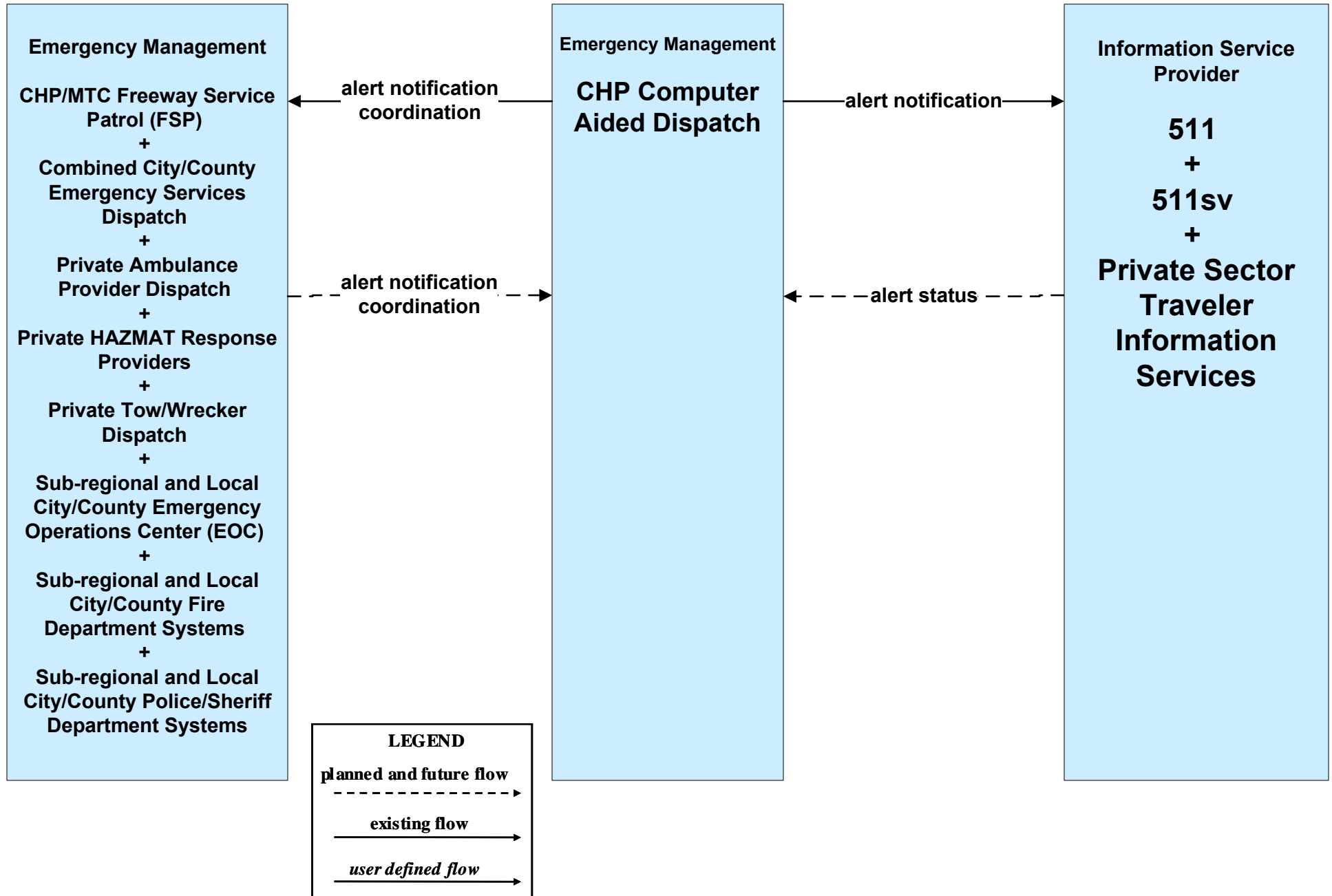
## EM05 - Transportation Infrastructure Protection City of San Francisco (1 of 2)



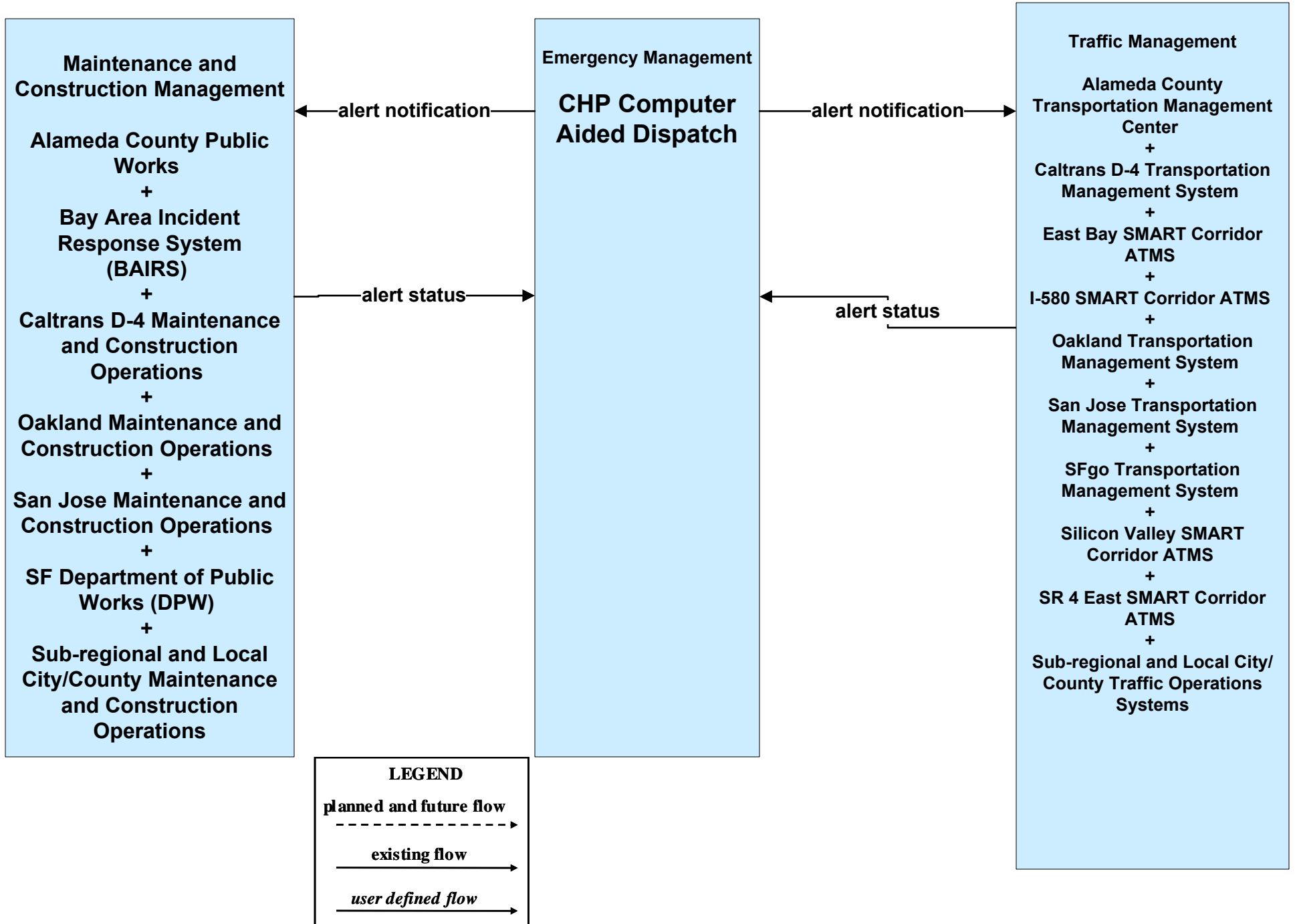
## EM05 - Transportation Infrastructure Protection City of San Francisco (2 of 2)



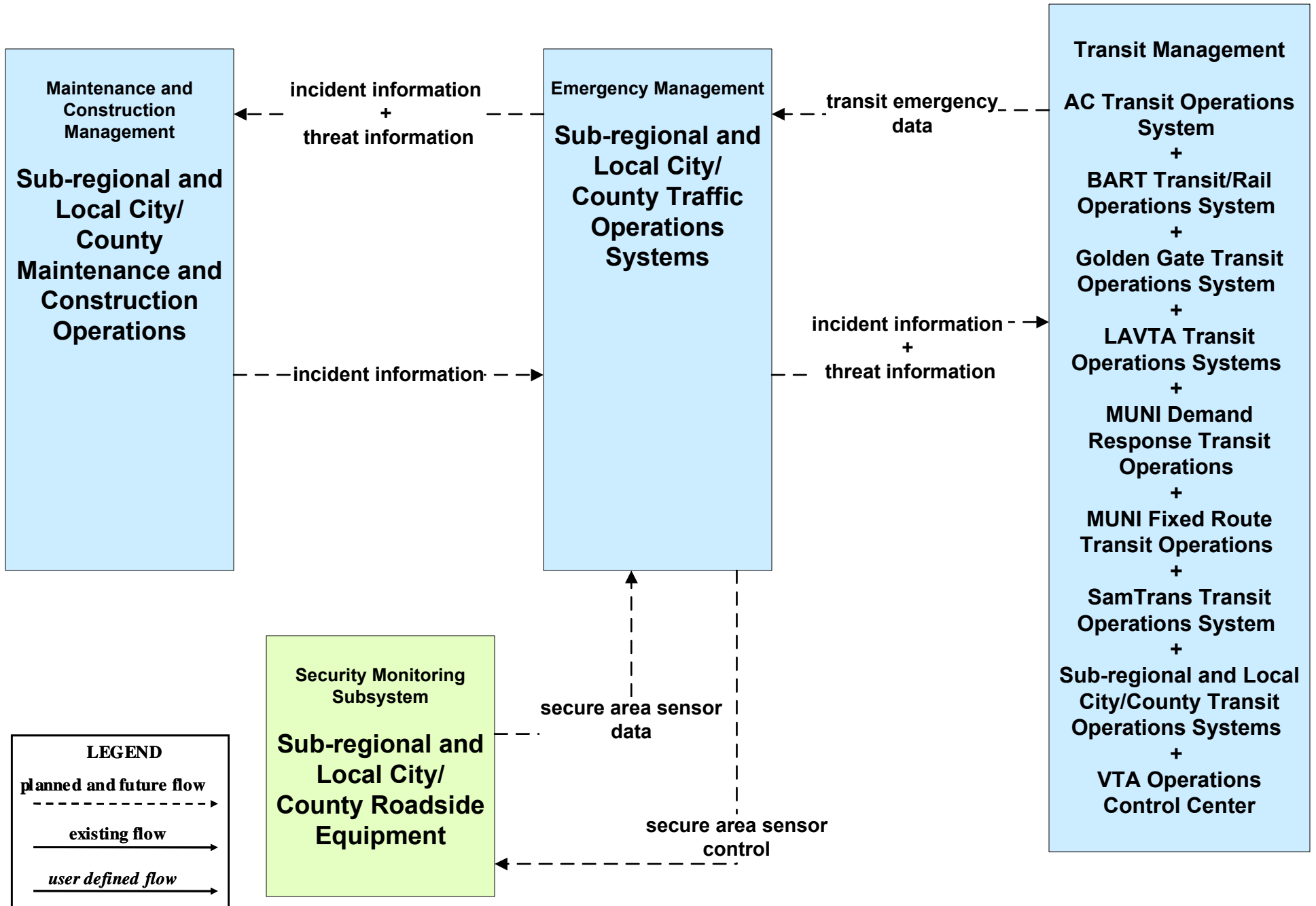
**EM06 - Wide Area Alert  
Amber Alert (1 of 2)**



**EM06 - Wide Area Alert  
Amber Alert (2 of 2)**

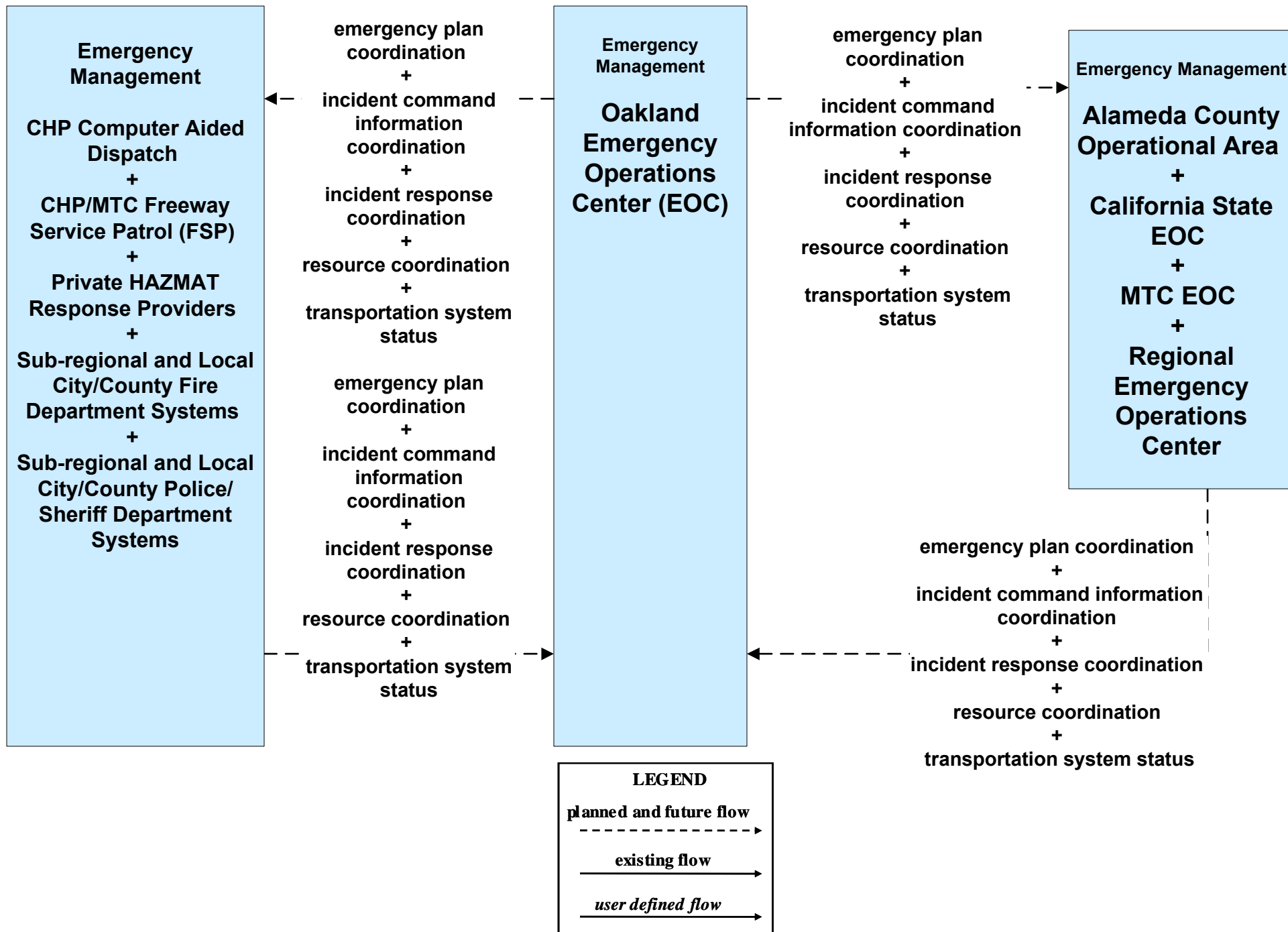


# EM07 - Early Warning System Local City/County Flood Monitoring System



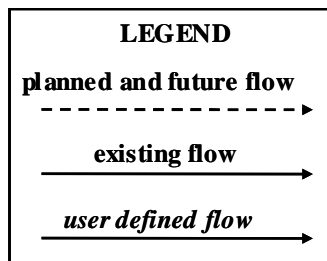
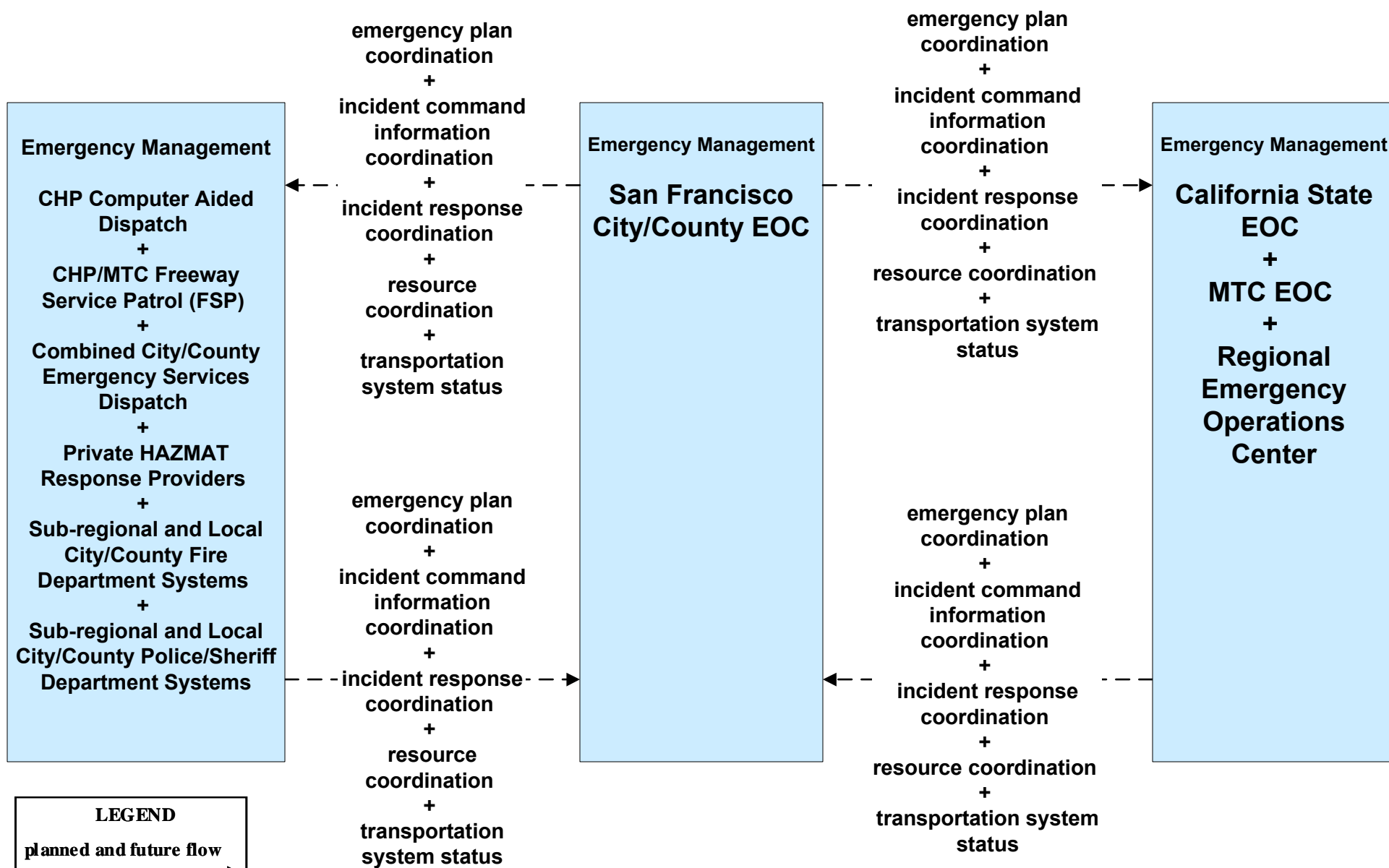


# EM08 - Disaster Response and Recovery Oakland EOC (1 of 2)



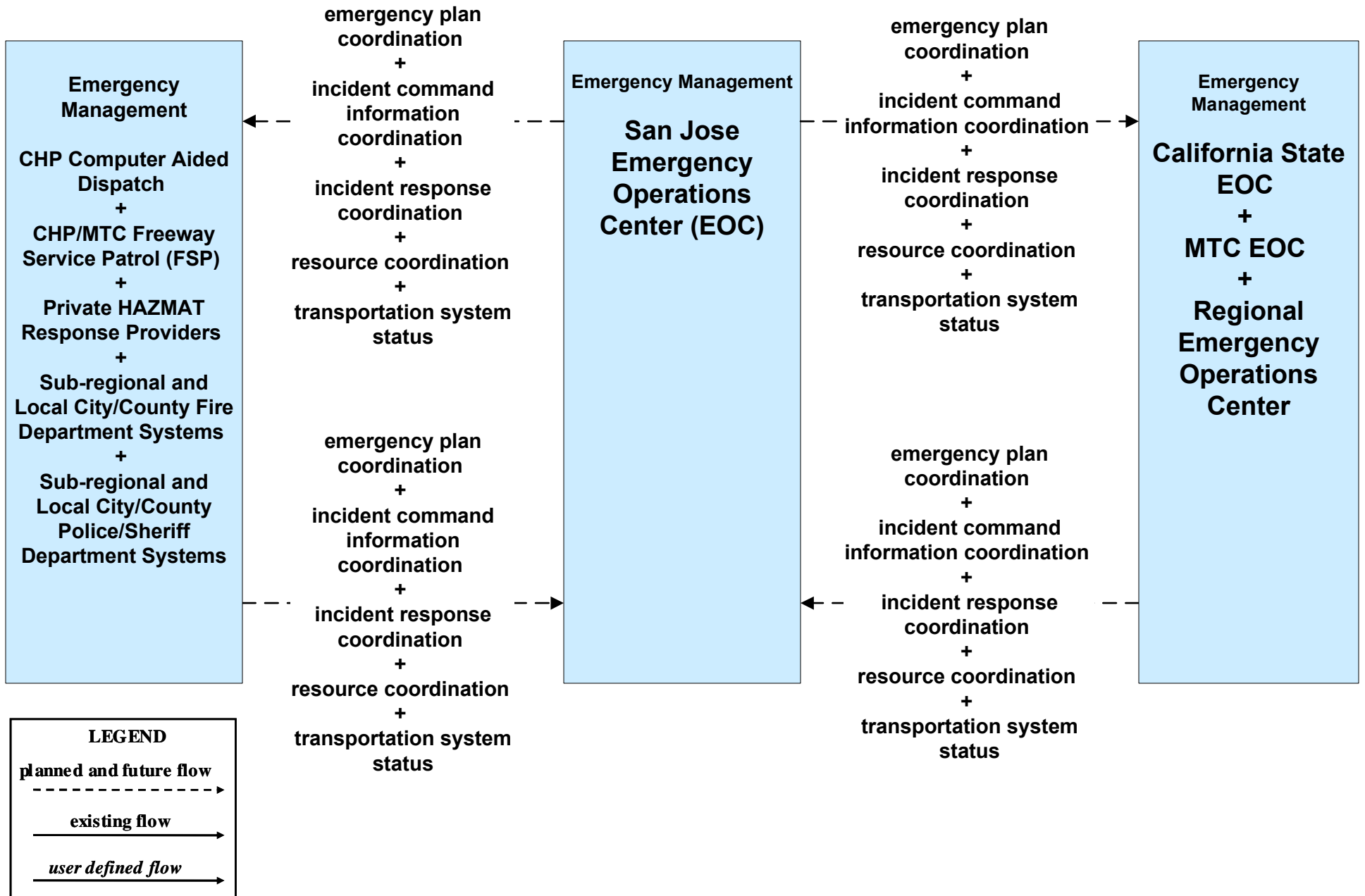
# EM08 - Disaster Response and Recovery

## San Francisco City/County EOC (1 of 2)



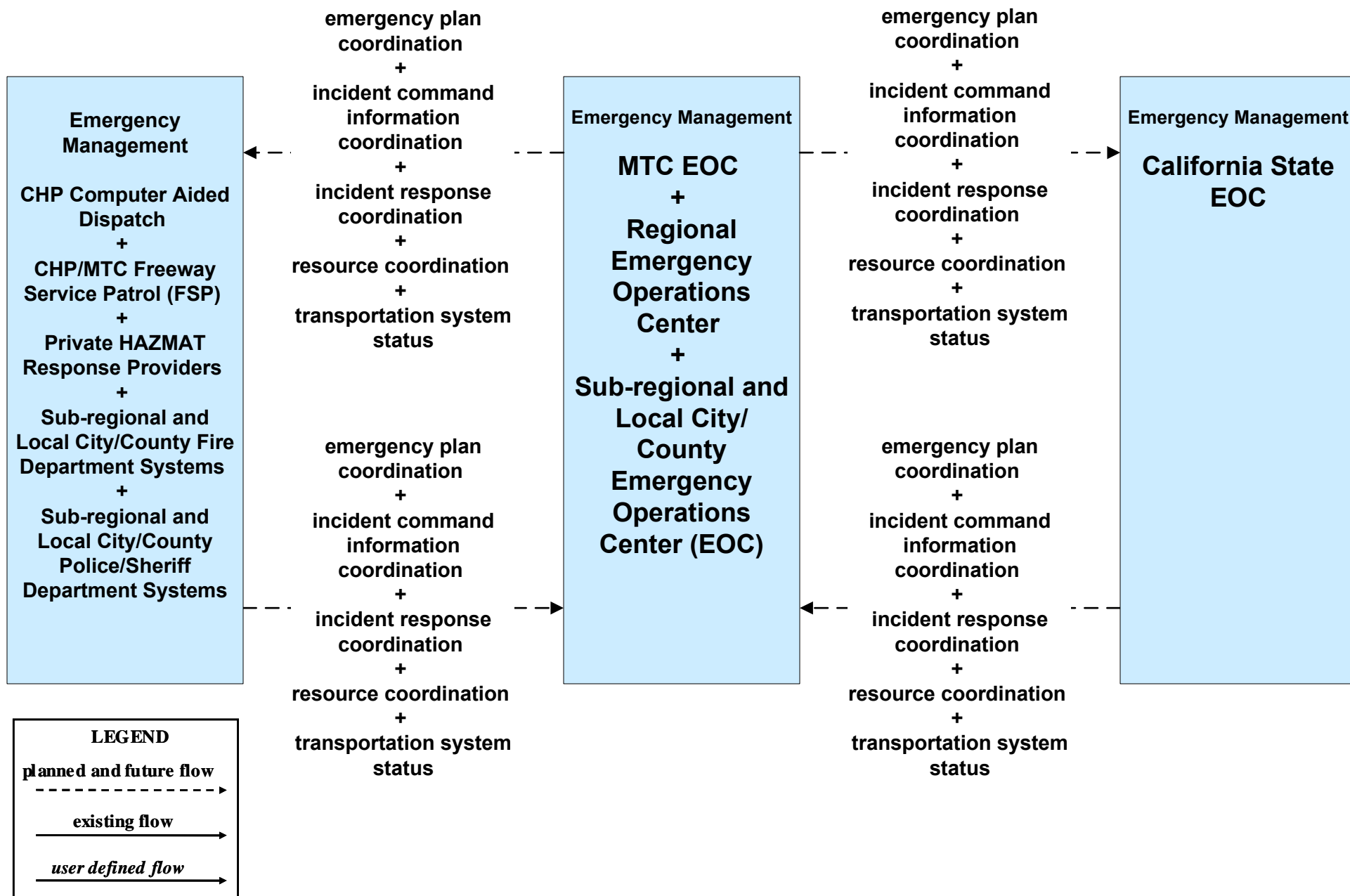
# EM08 - Disaster Response and Recovery

## San Jose EOC (1 of 2)



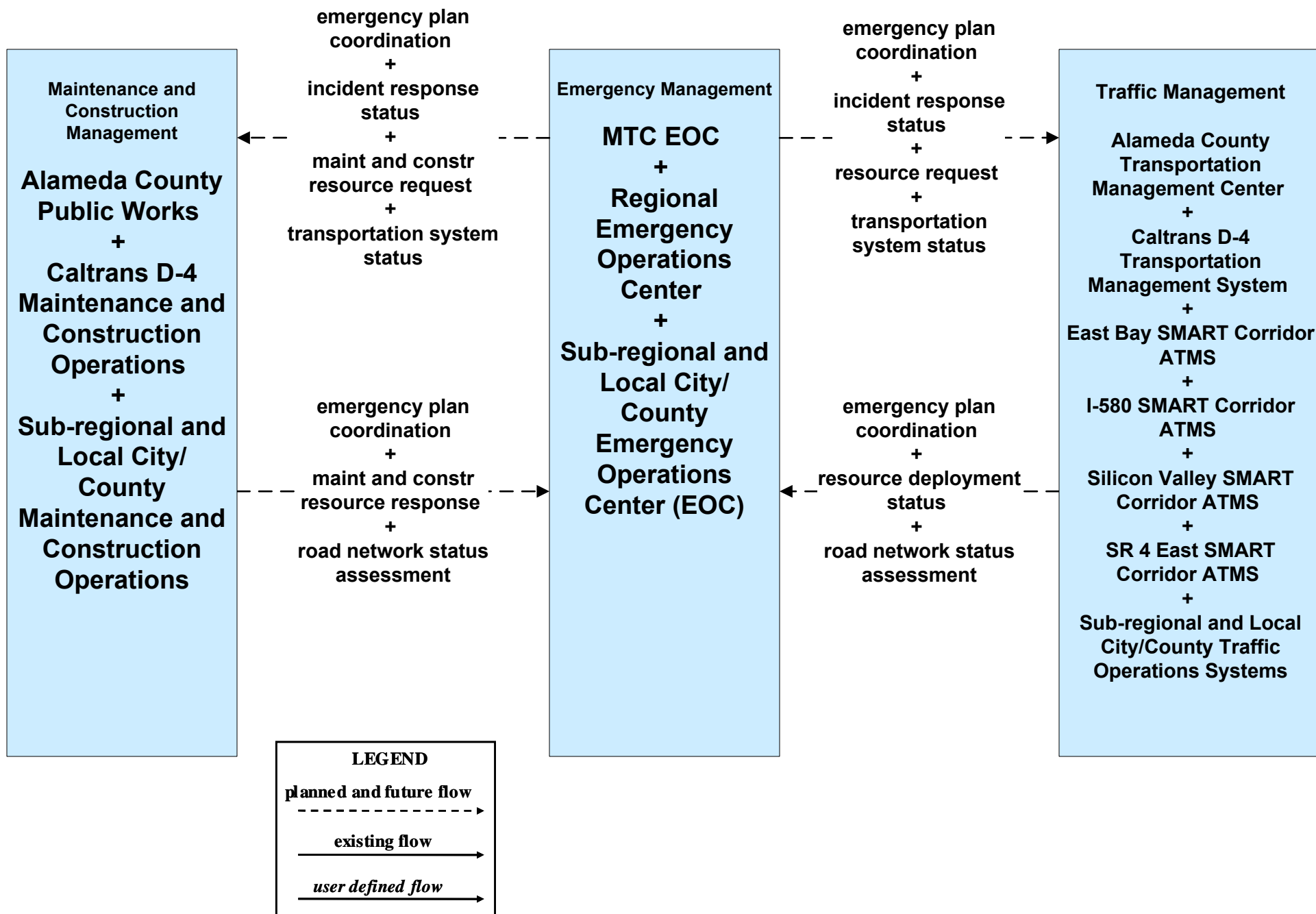
# EM08 - Disaster Response and Recovery

## Local City/County/Regional EOC (1 of 2)

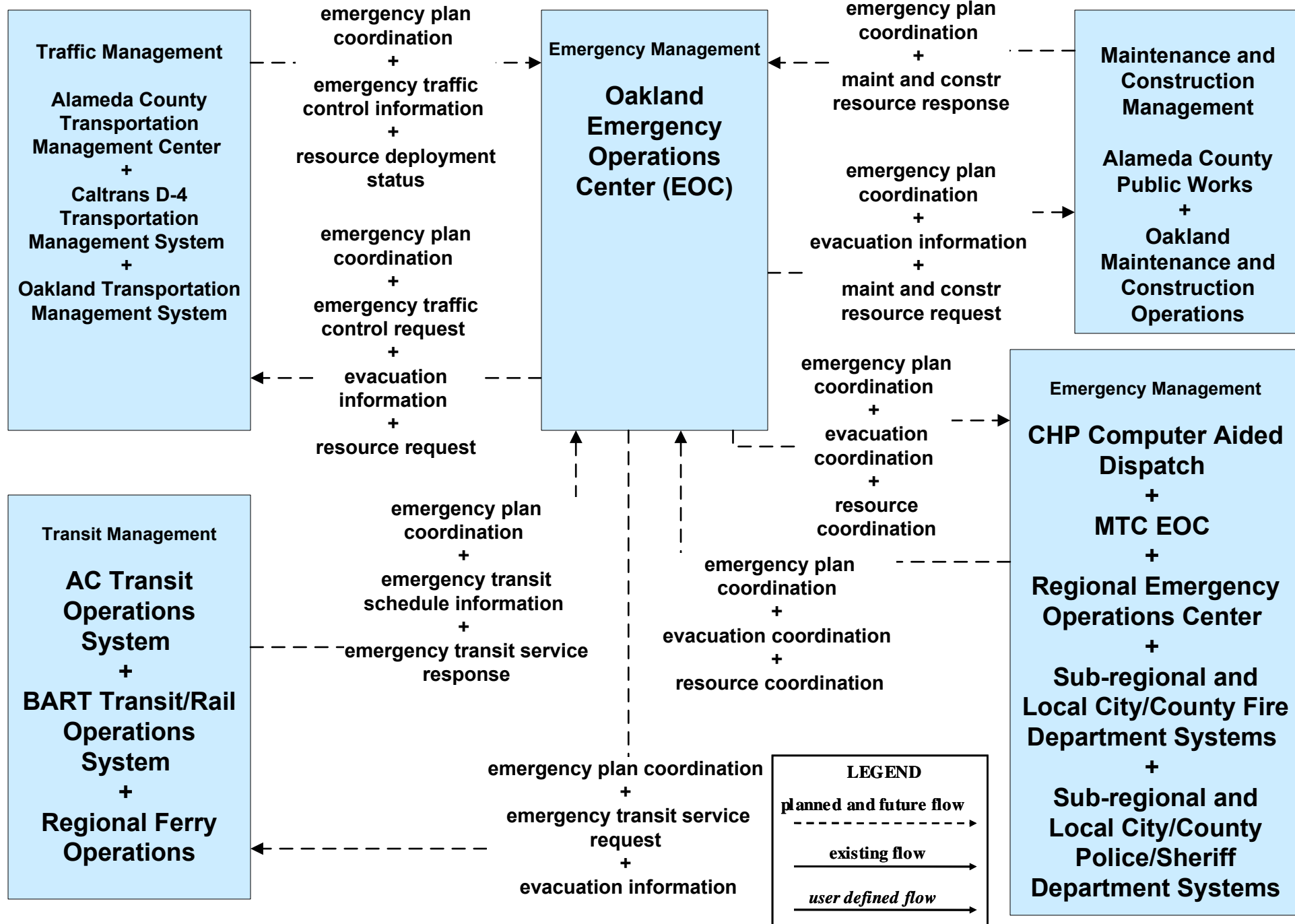


# EM08 - Disaster Response and Recovery

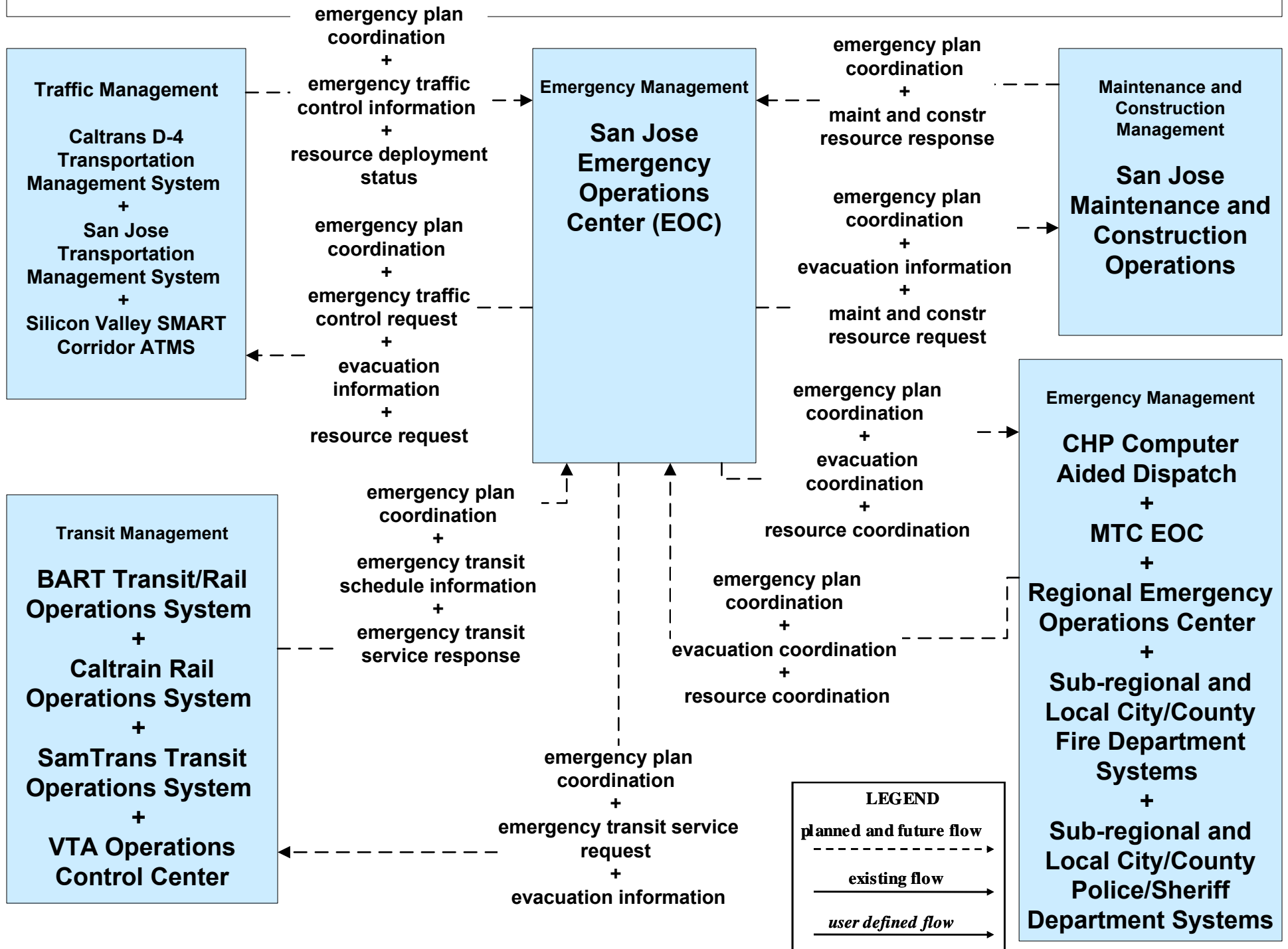
## Local City/County/Regional EOC (2 of 2)



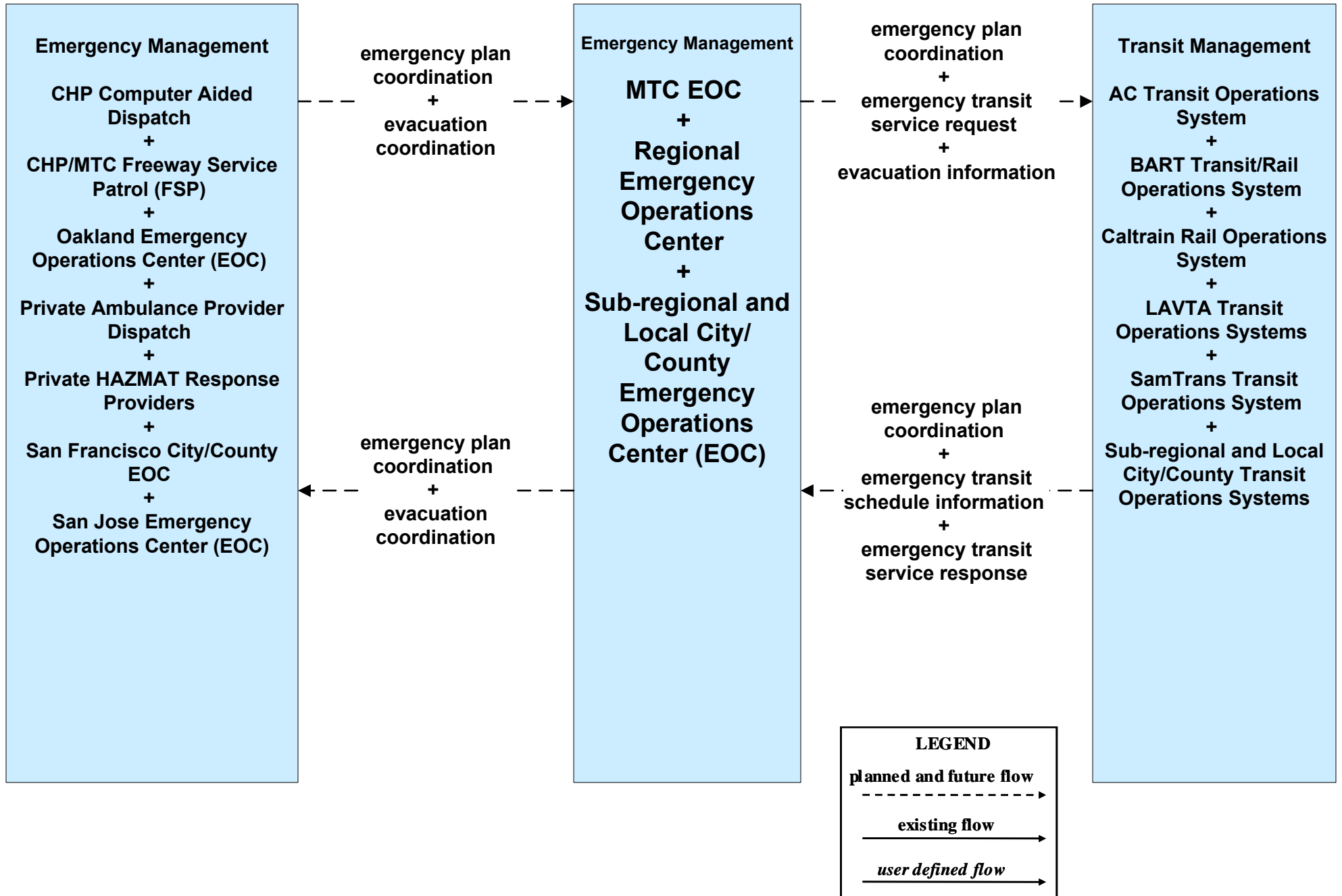
# EM09 - Evacuation and Reentry Management Oakland EOC



# EM09 - Evacuation and Reentry Management San Jose EOC



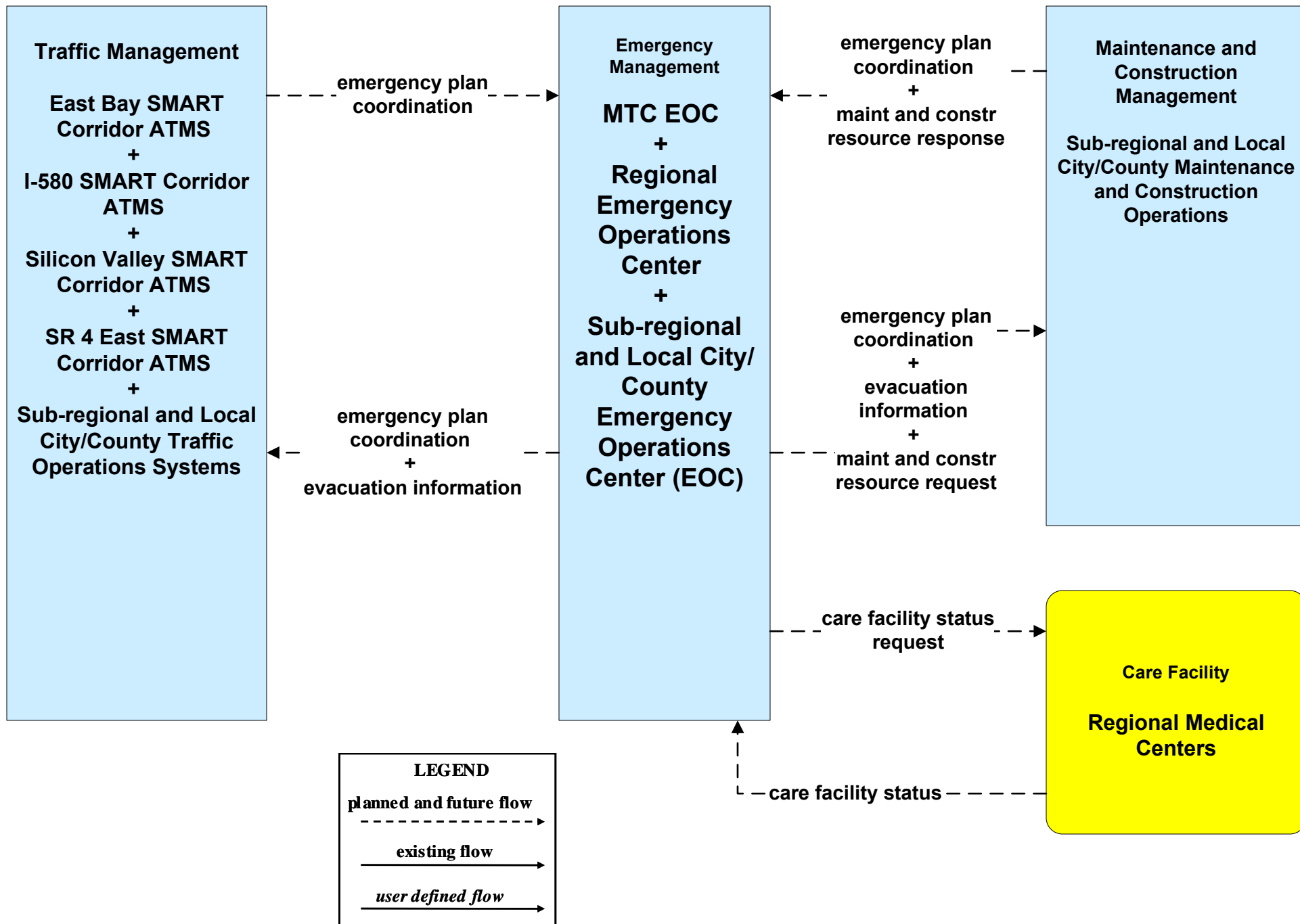
**EM09 - Evacuation and Reentry Management**  
**Local City/County/Regional EOC (1 of 2)**



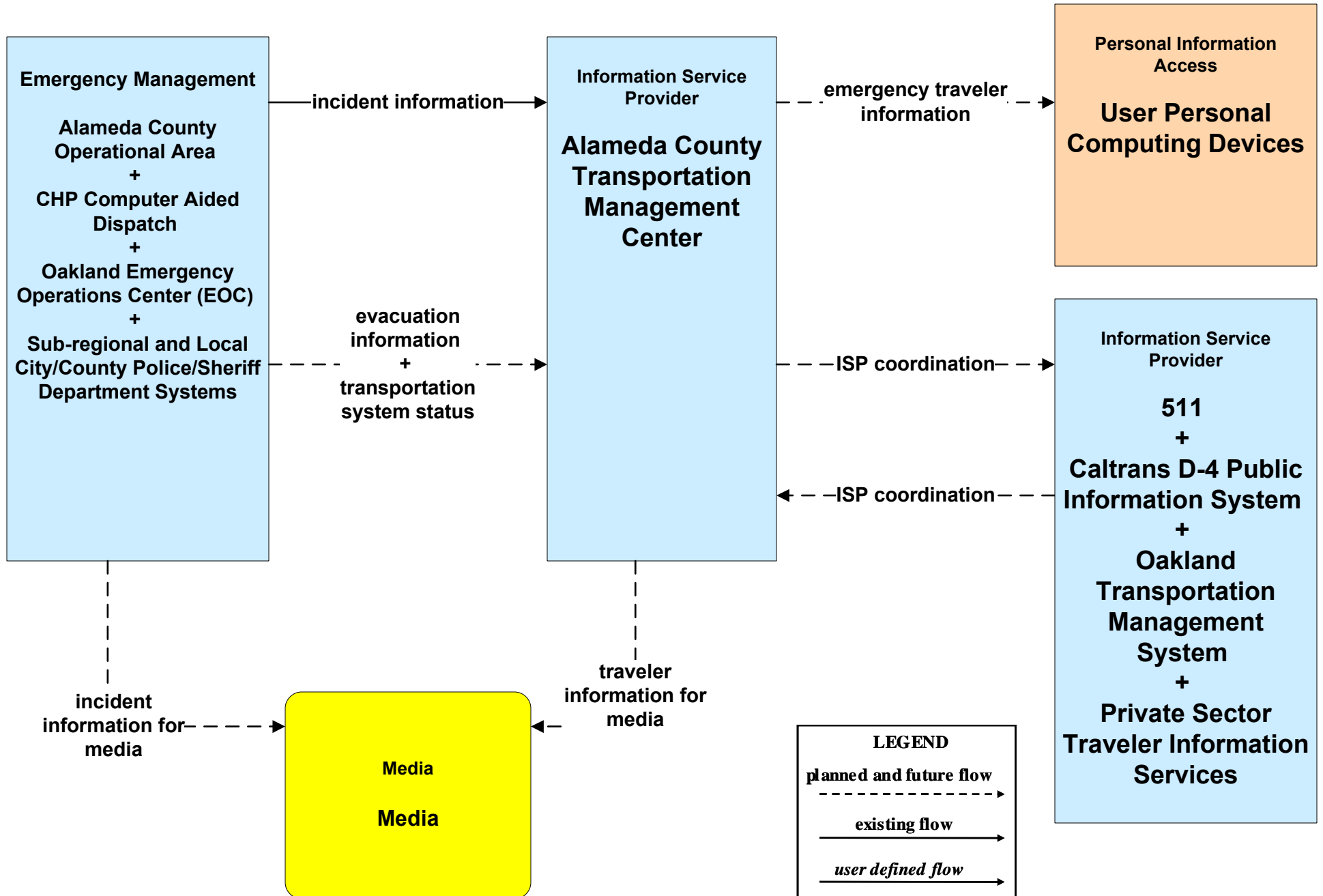


# EM09 - Evacuation and Reentry Management

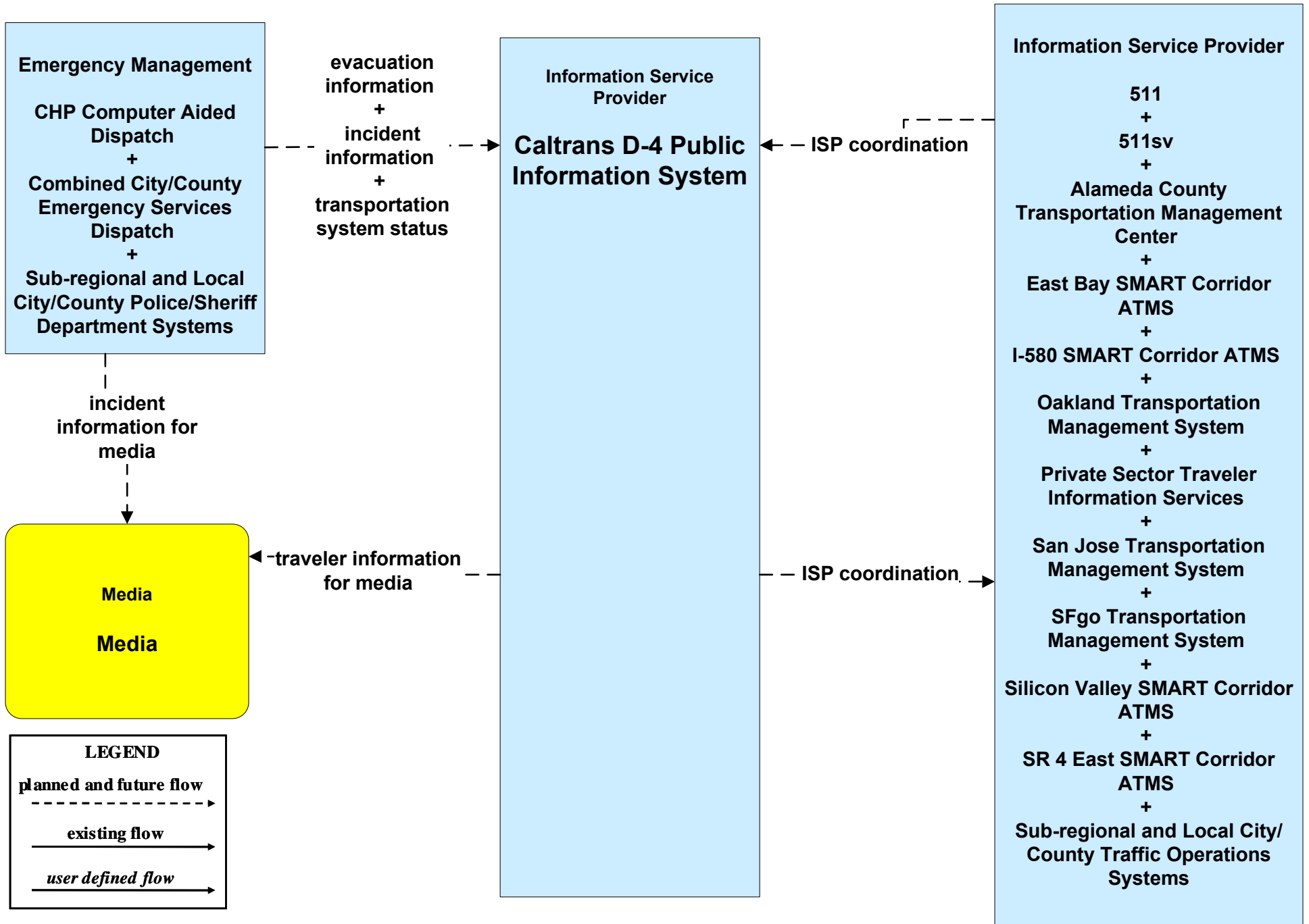
## Local City/County/Regional EOC (2 of 2)



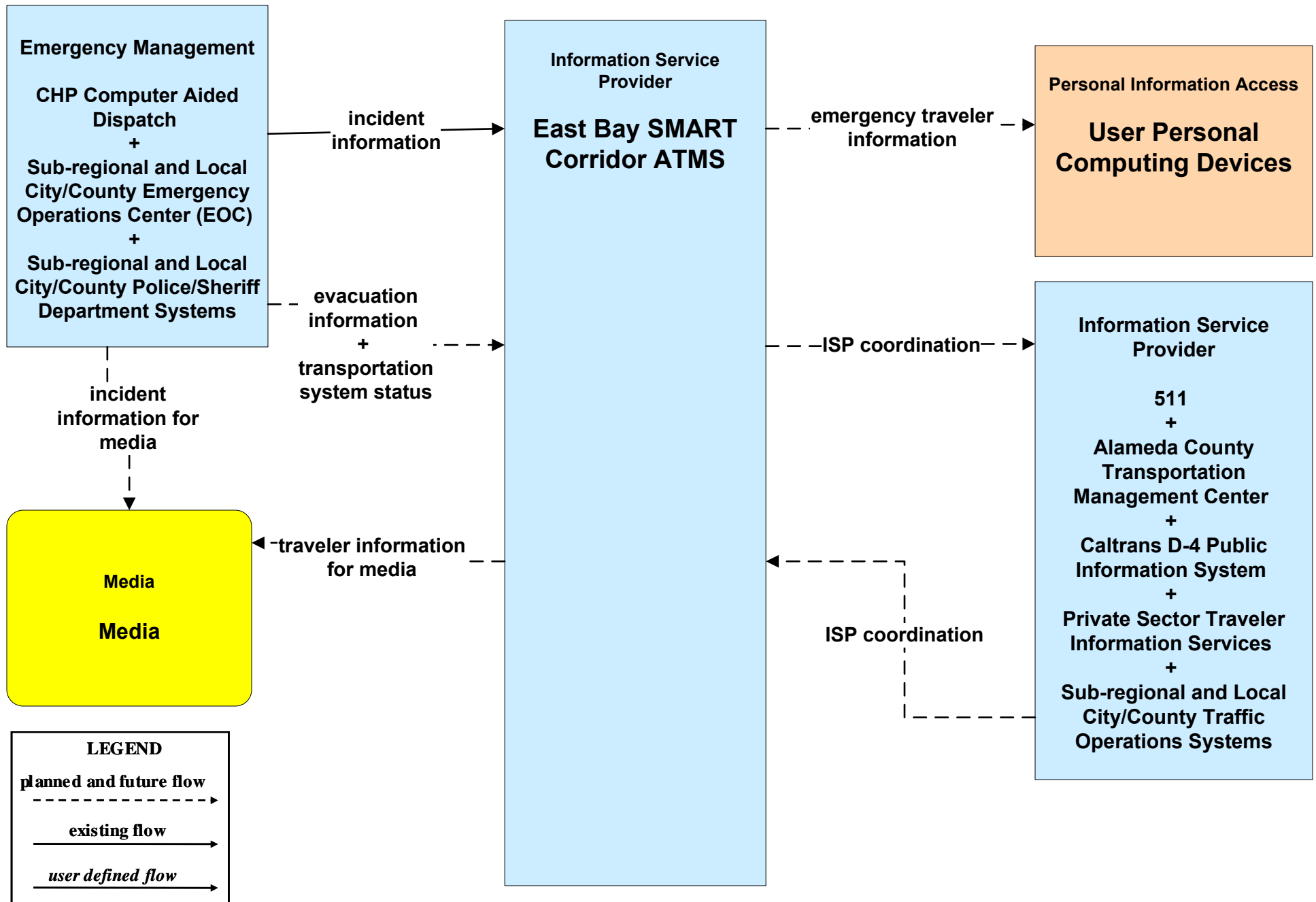
## EM10 - Disaster Traveler Information Alameda County



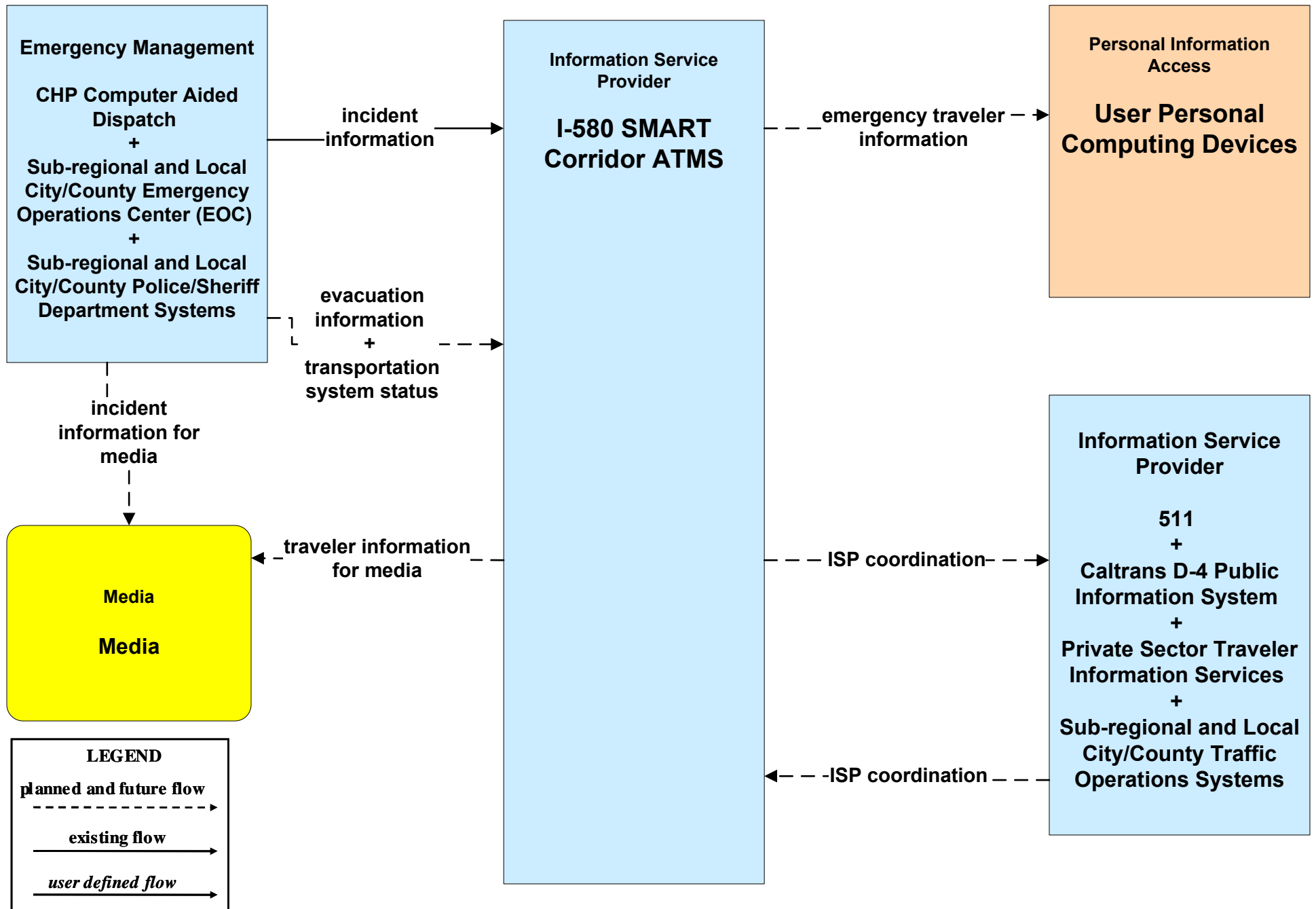
# EM10 - Disaster Traveler Information Caltrans D-4 Public Information Office



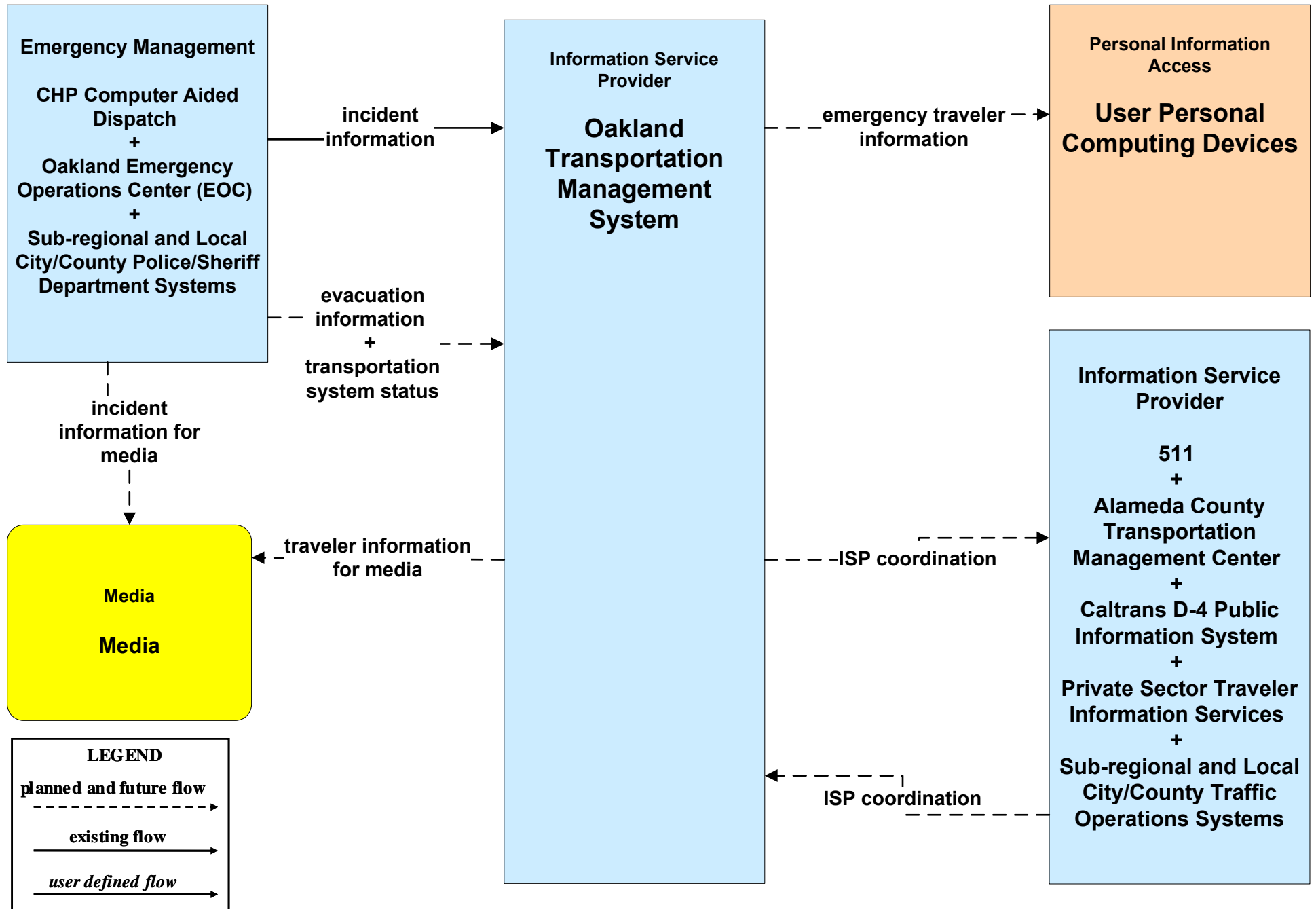
# EM10 - Disaster Traveler Information East Bay SMART Corridor



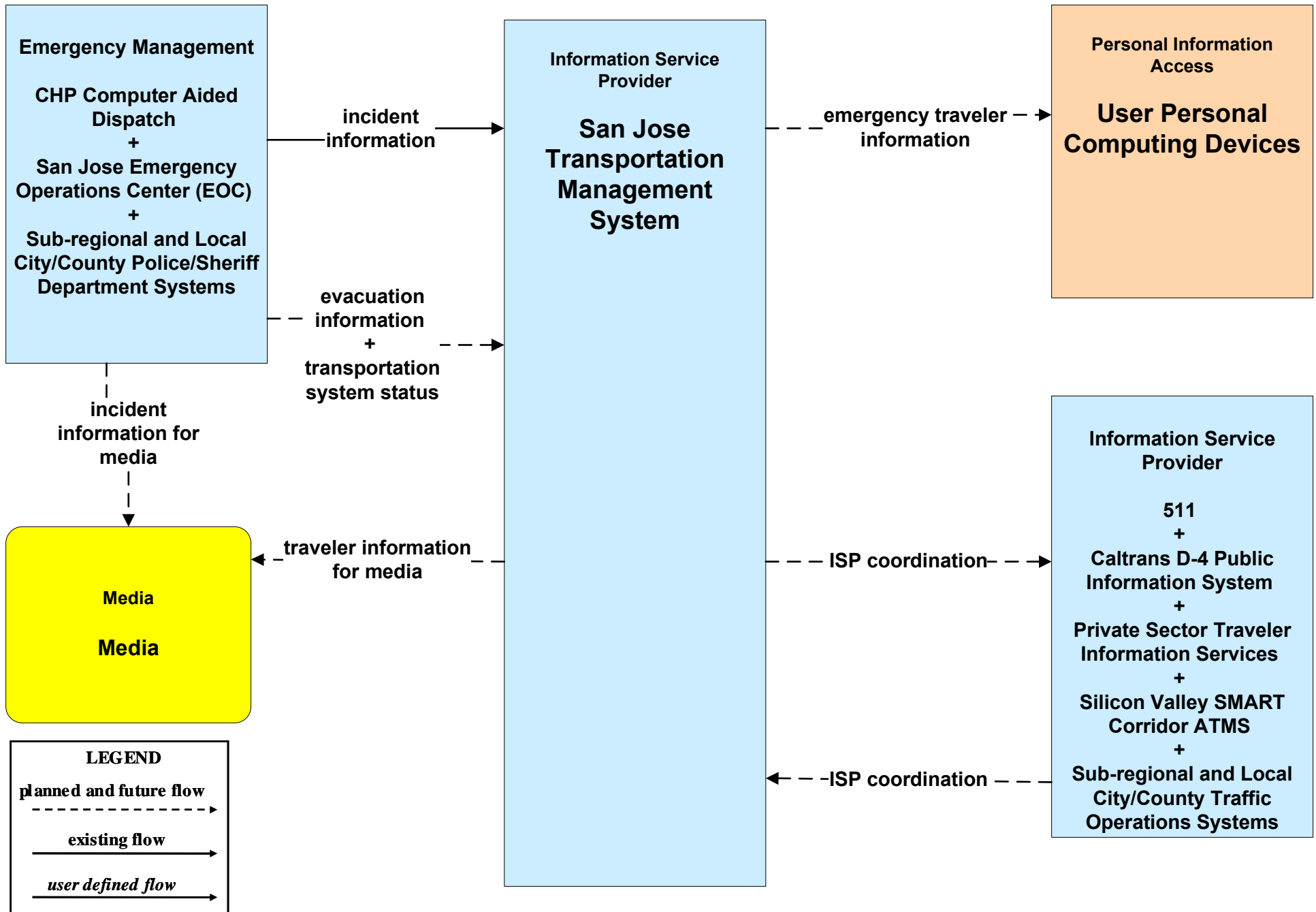
## EM10 - Disaster Traveler Information I-580 SMART Corridor



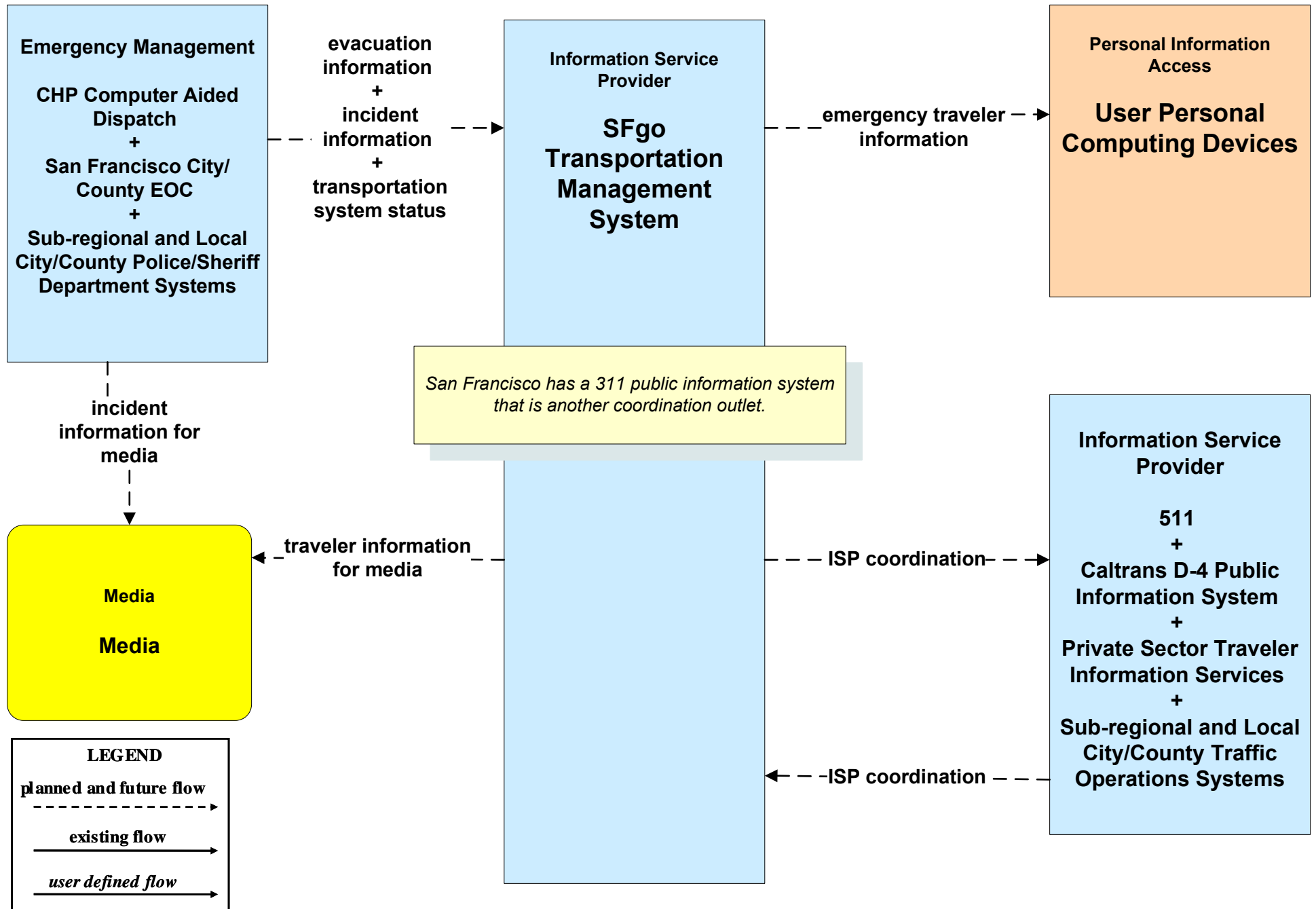
# EM10 - Disaster Traveler Information Oakland Transportation Management System



# EM10 - Disaster Traveler Information San Jose Transportation Management System

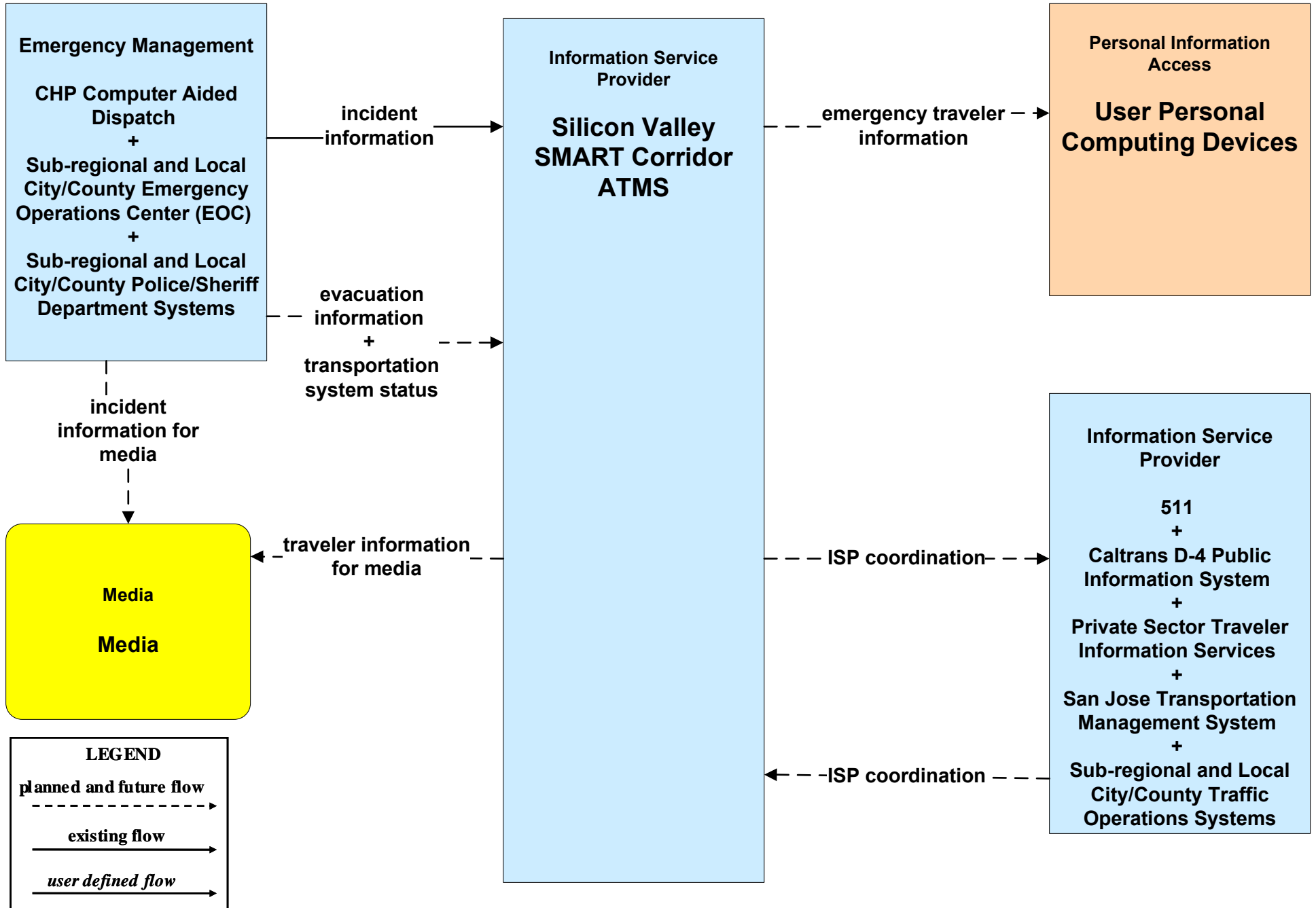


## EM10 - Disaster Traveler Information San Francisco

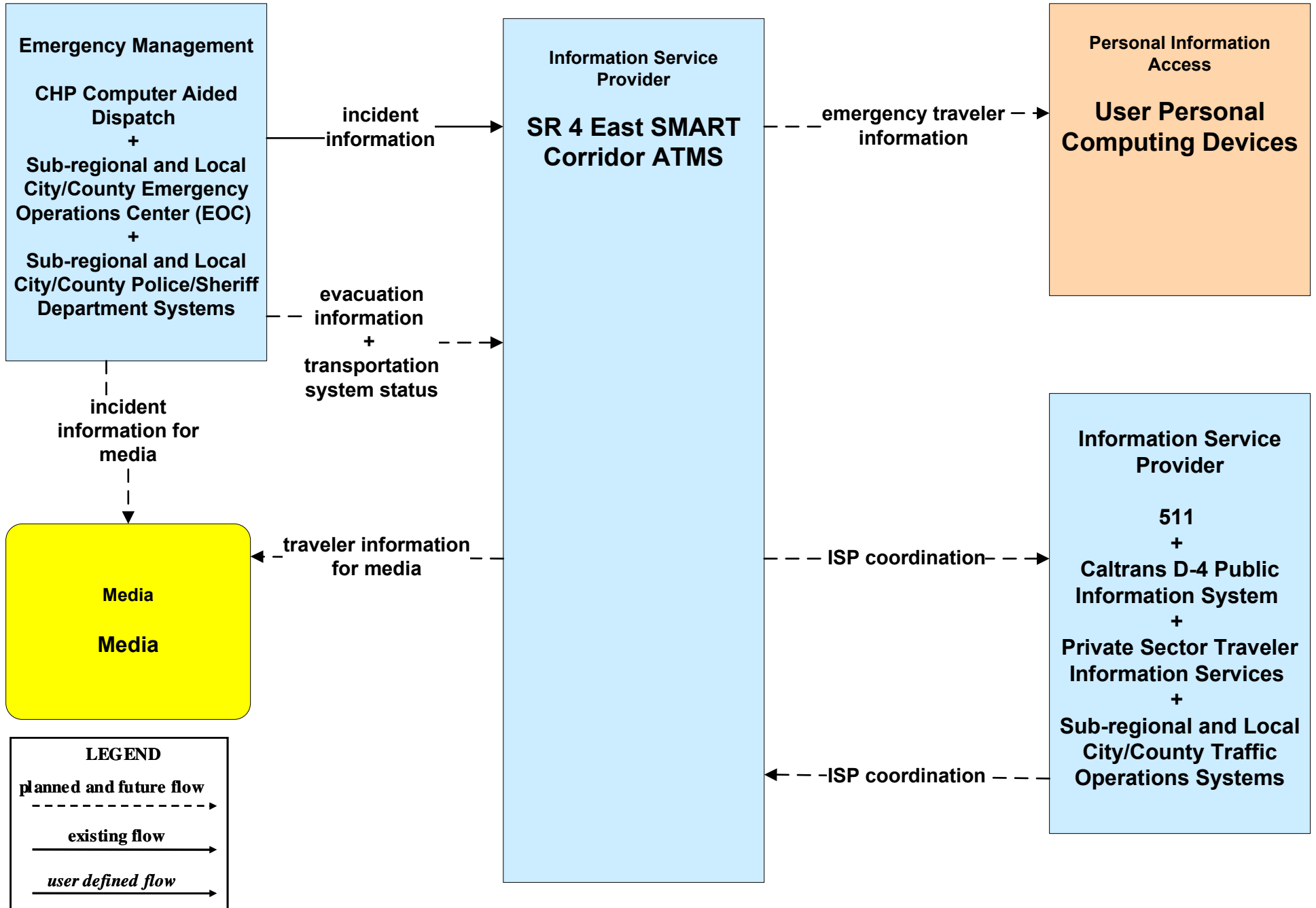




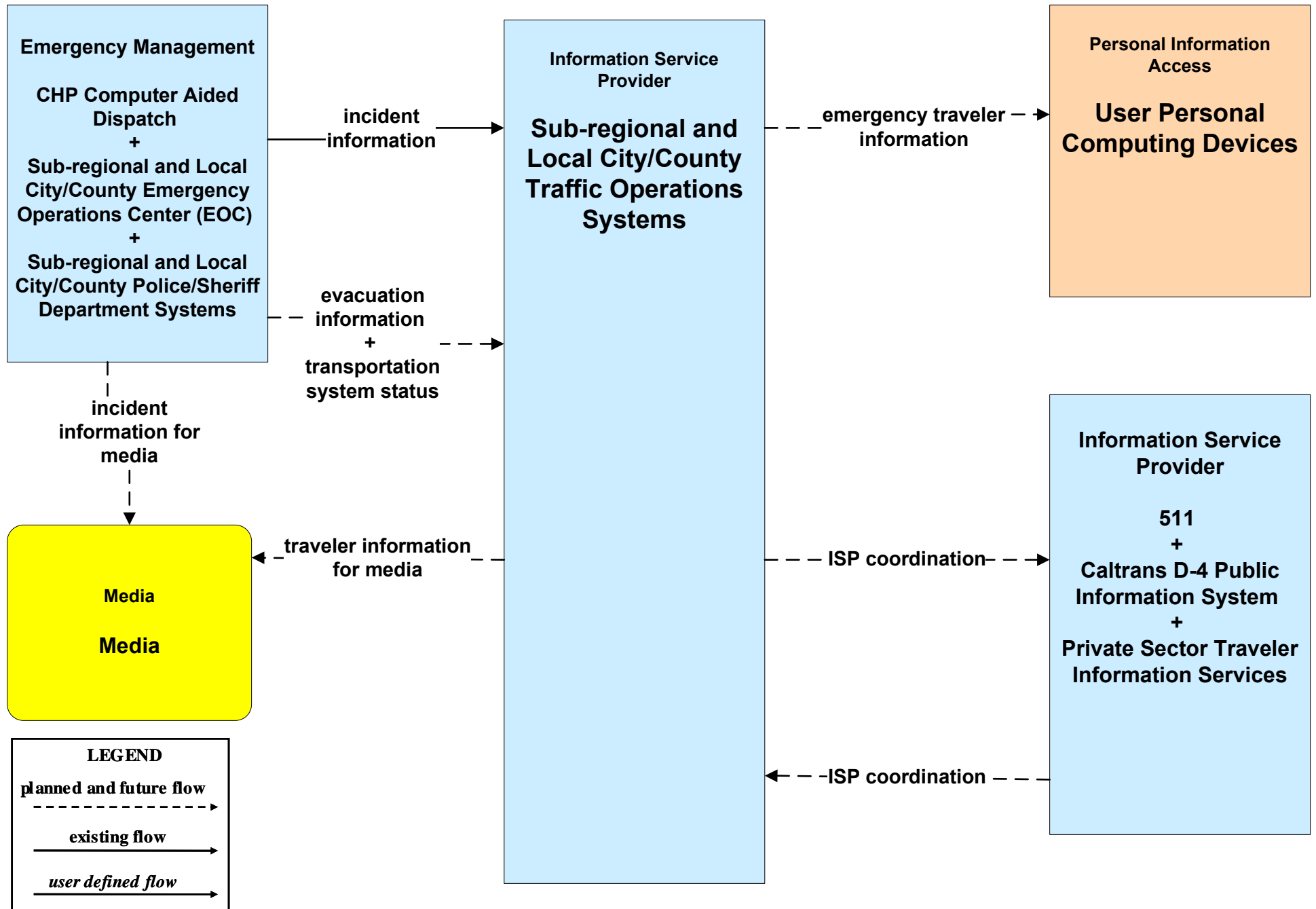
# EM10 - Disaster Traveler Information Silicon Valley SMART Corridor



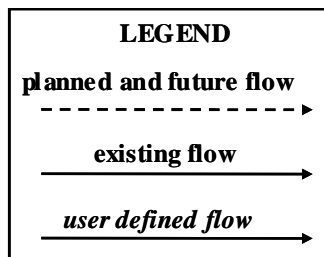
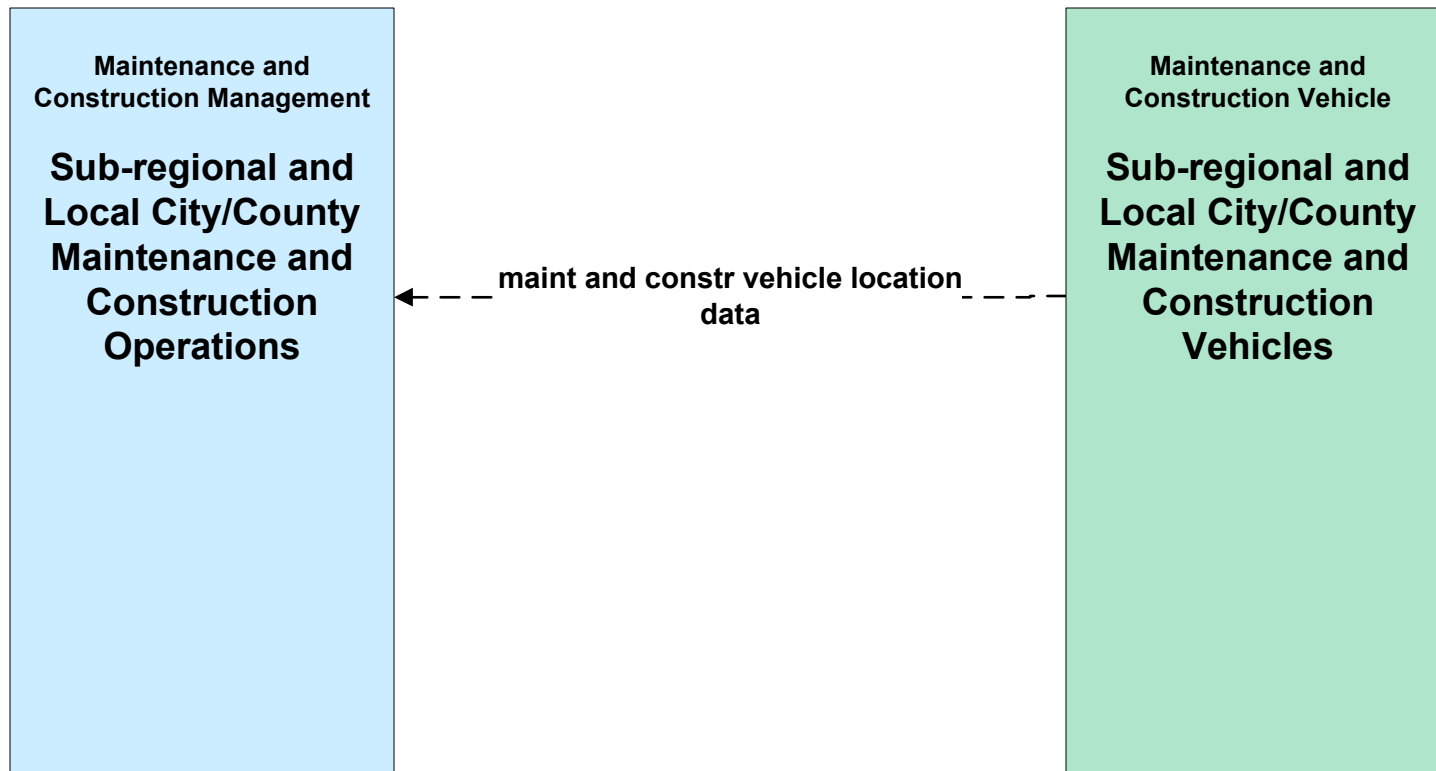
# EM10 - Disaster Traveler Information SR 4 East SMART Corridor



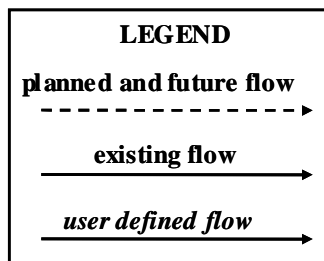
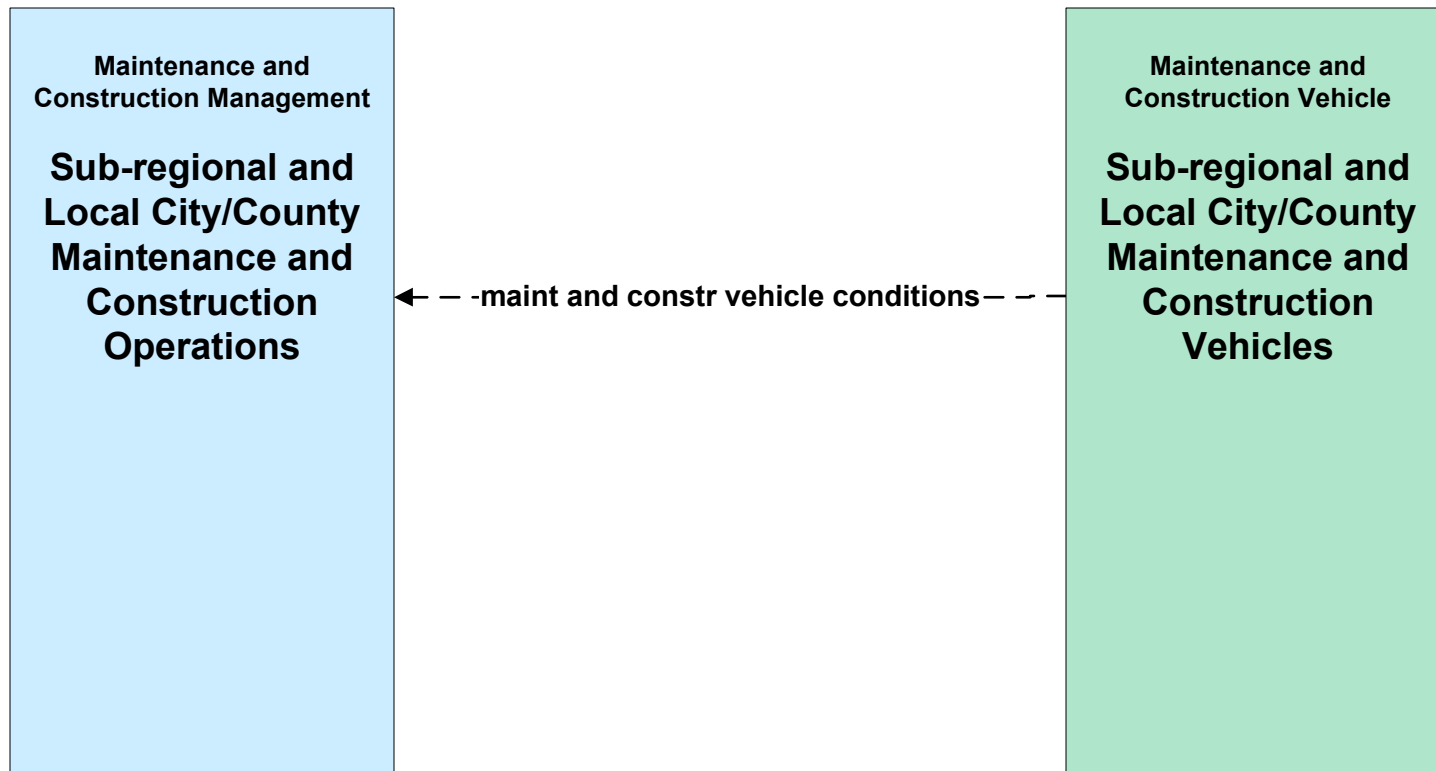
## EM10 - Disaster Traveler Information Local City/County



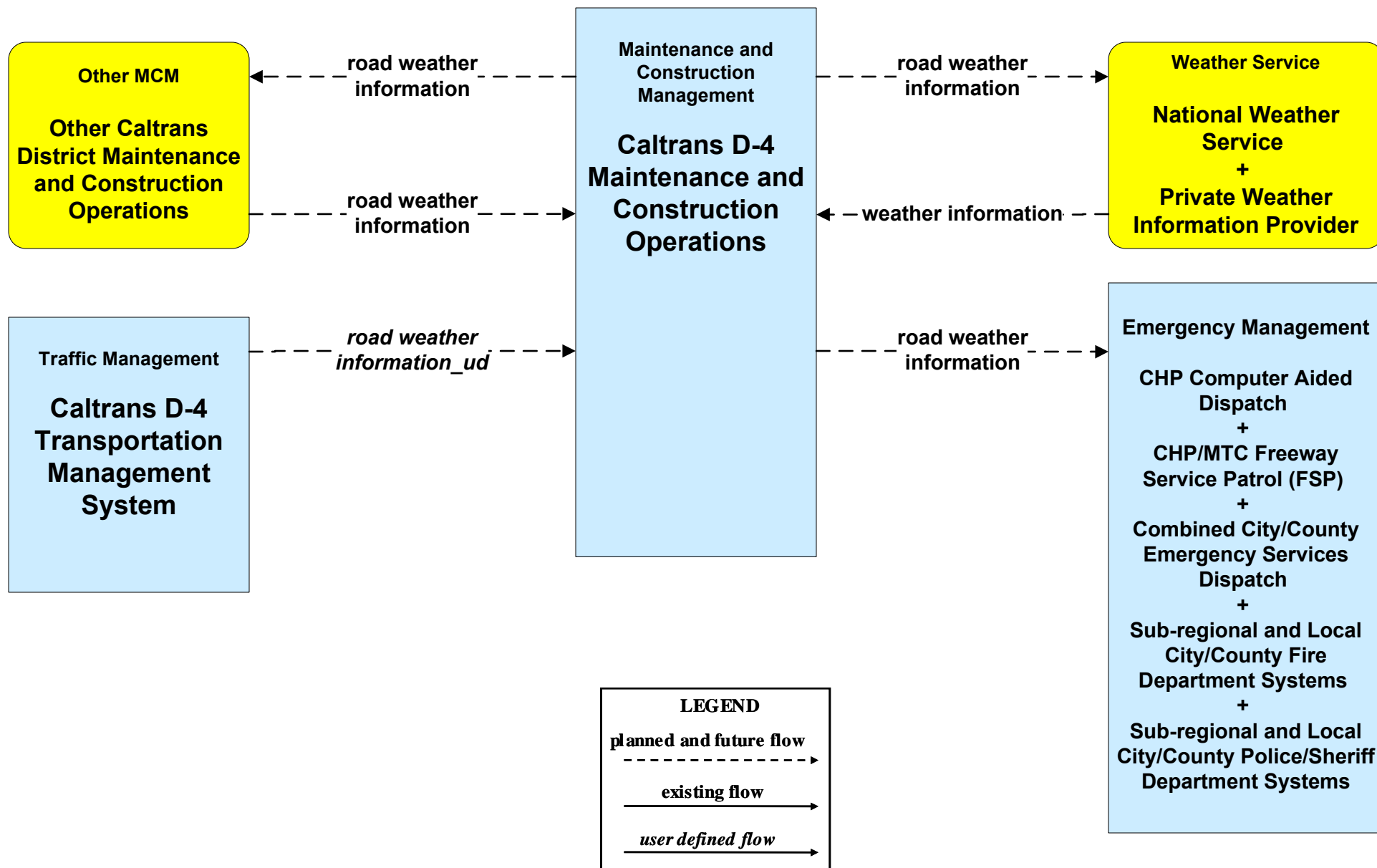
**MC01 - Maintenance and Construction Vehicle and Equipment Tracking**  
**Local City/County Maintenance and Construction**



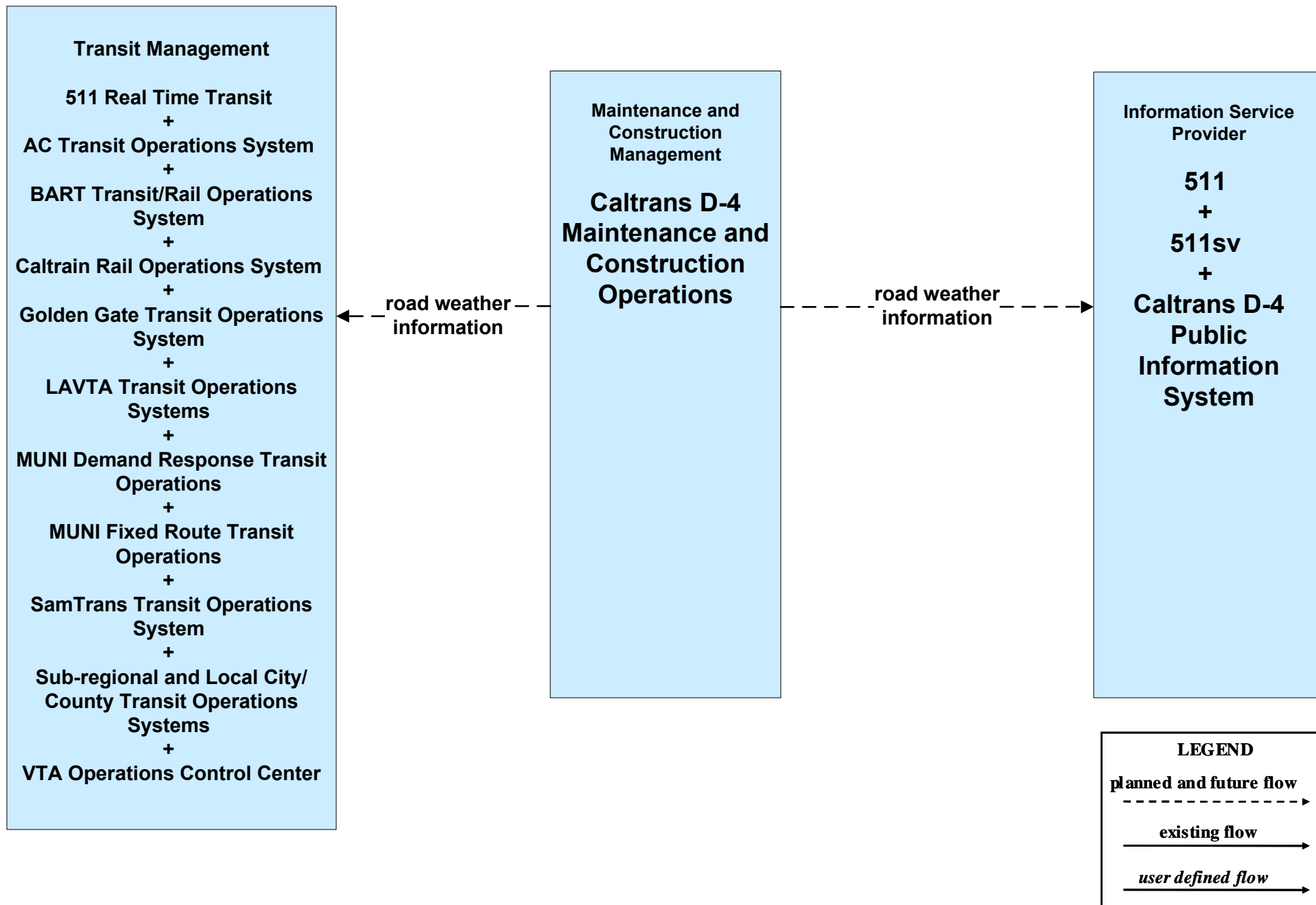
**MC02 - Maintenance and Construction Vehicle Maintenance  
Local City/County**



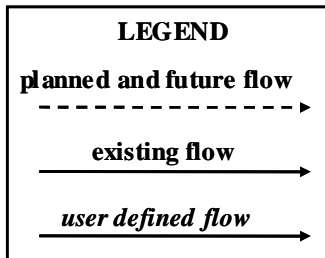
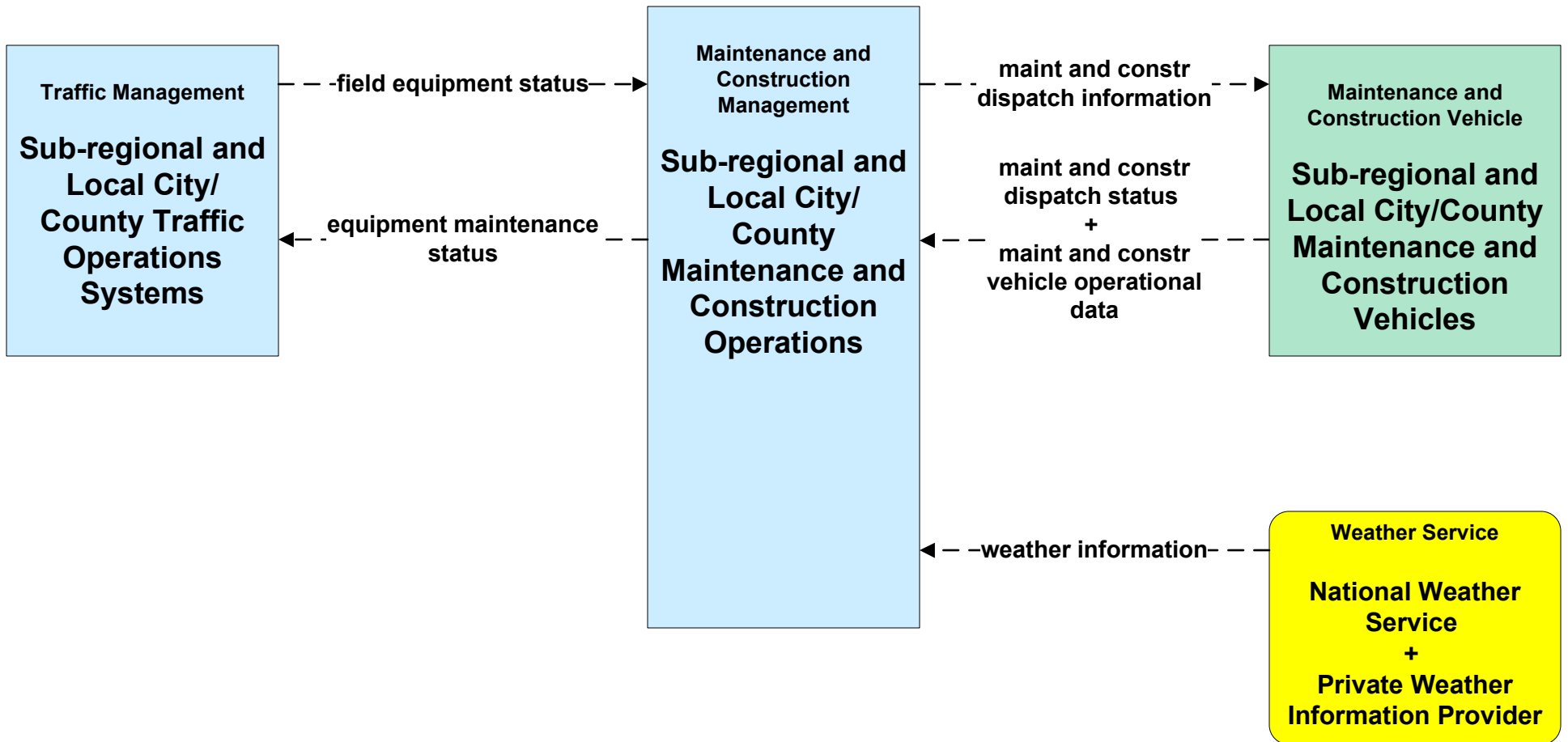
## MC04 - Weather Information Processing and Distribution Caltrans (1 of 2)



## MC04 - Weather Information Processing and Distribution Caltrans (2 of 2)

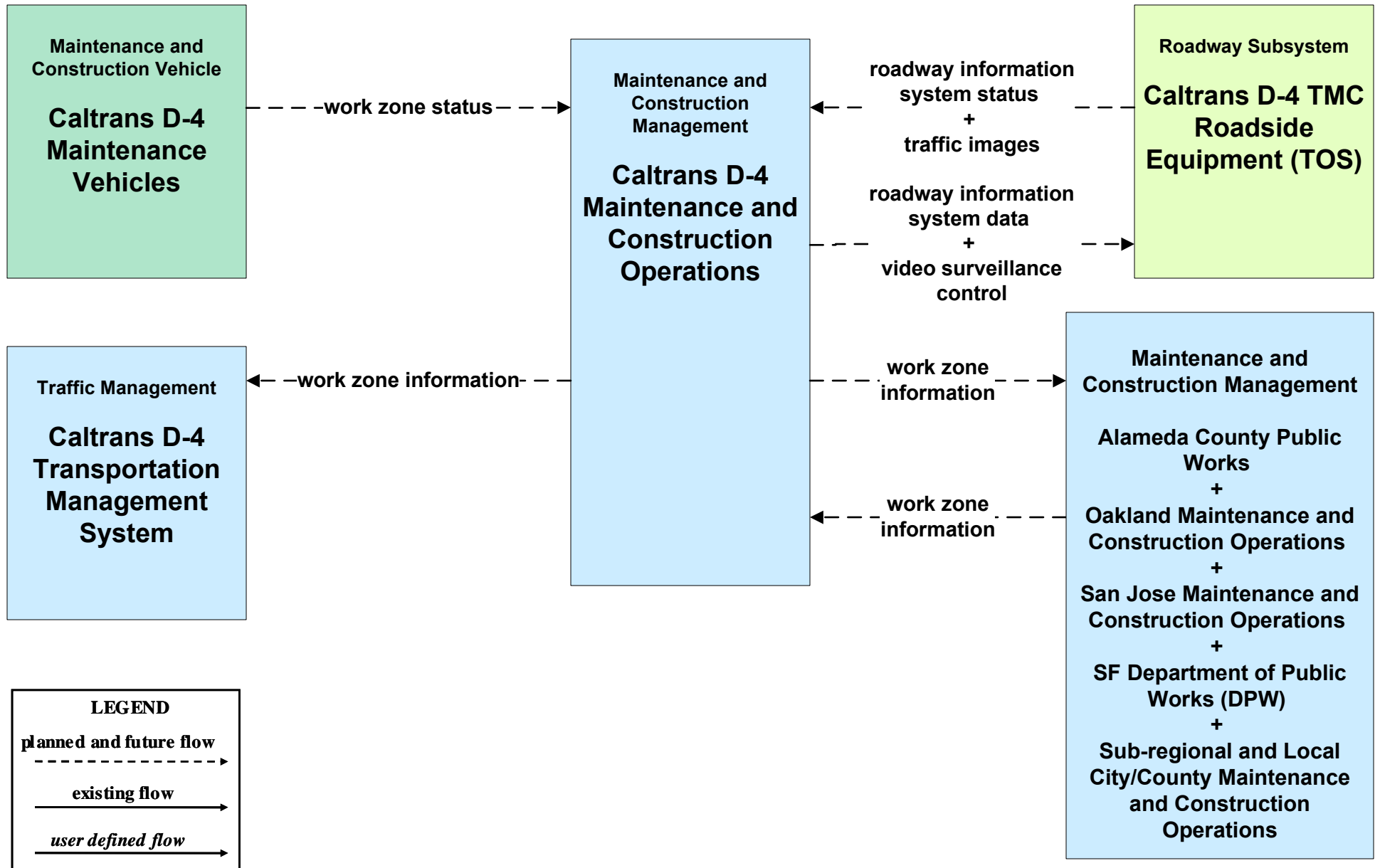


**MC07 - Roadway Maintenance and Construction  
Local City/County**

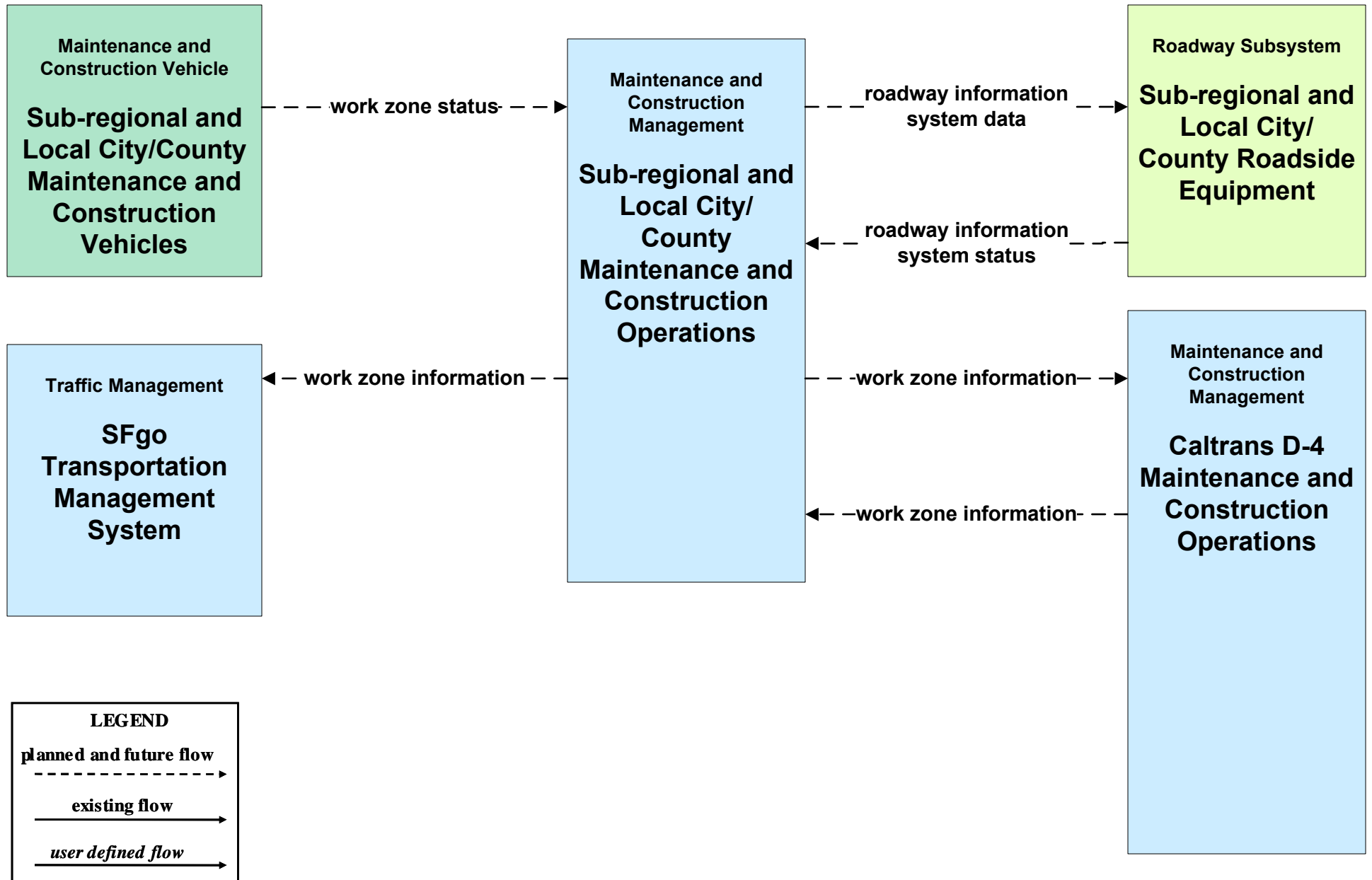




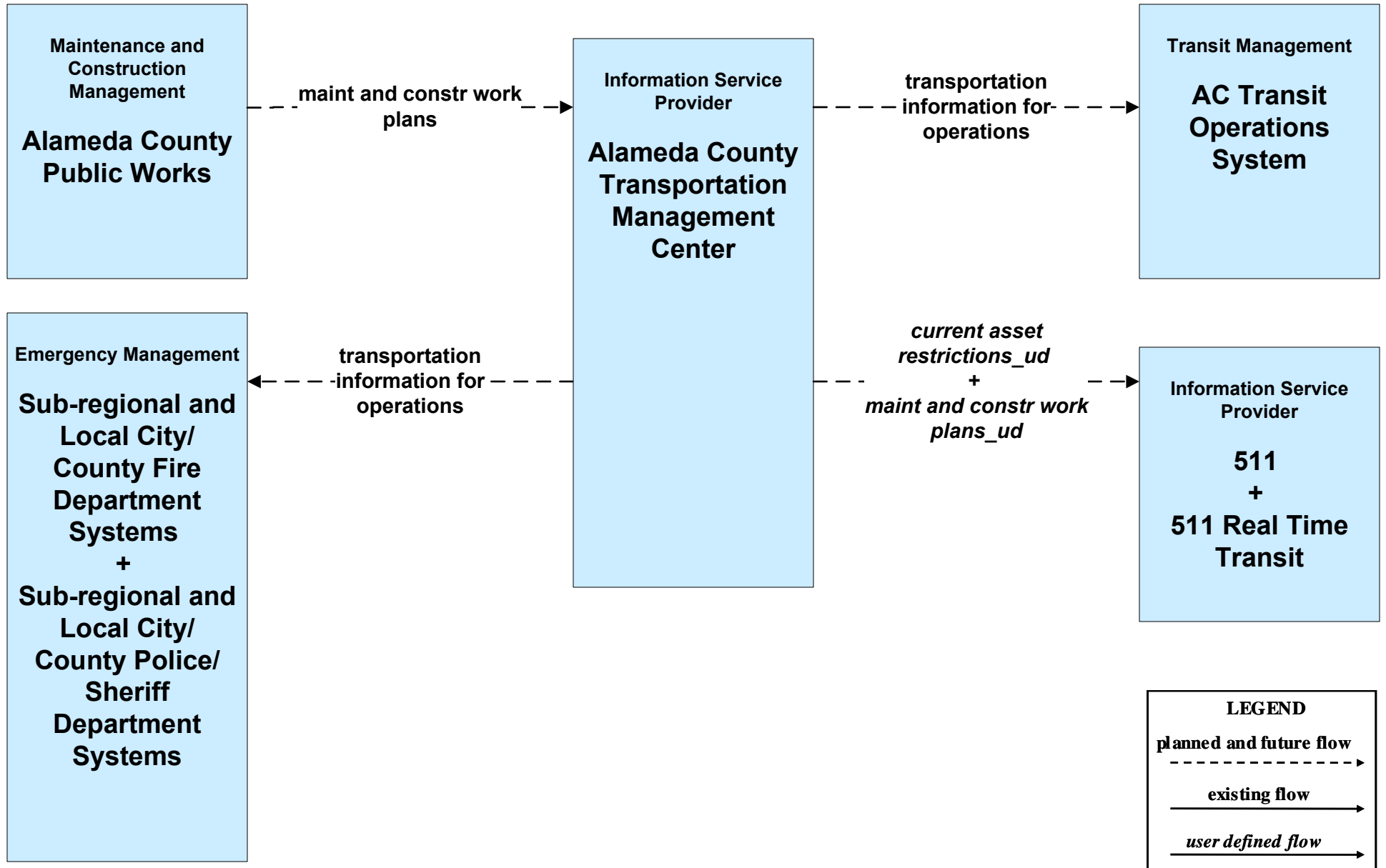
# MC08 - Work Zone Management Caltrans



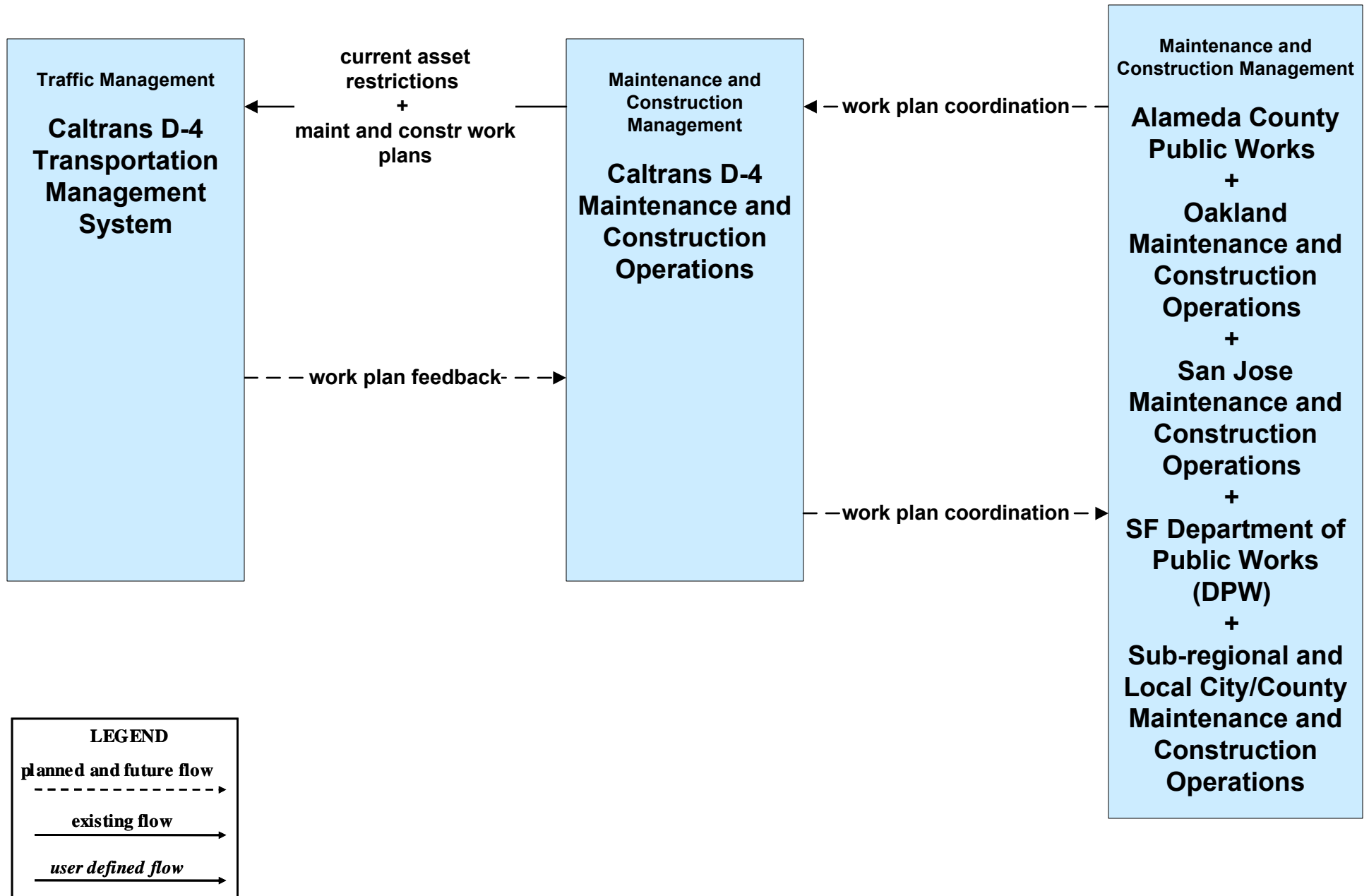
## MC08 - Work Zone Management Local City/County



**MC10 - Maintenance and Construction Activity Coordination  
Alameda County (2 of 2)**

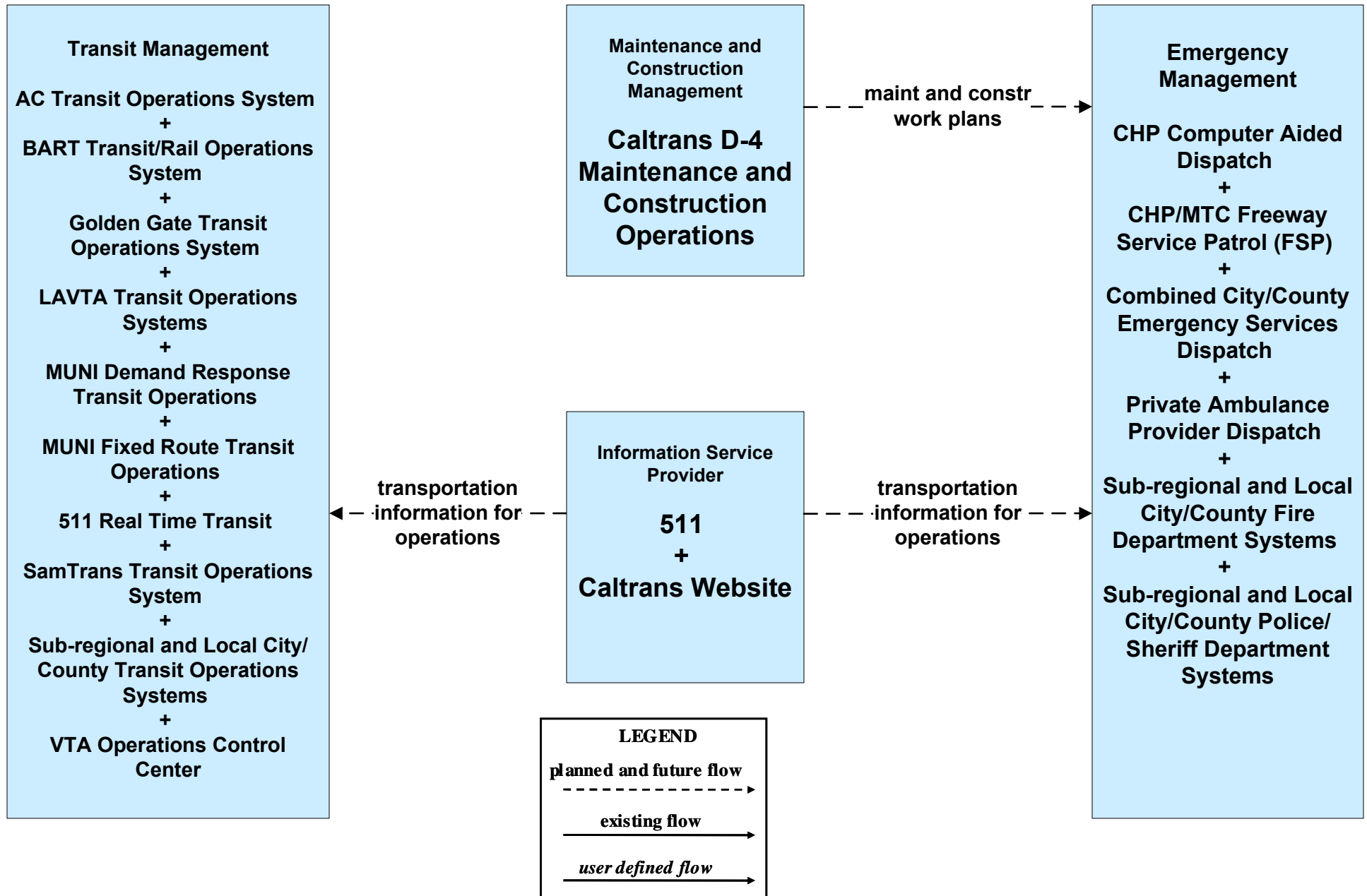


**MC10 - Maintenance and Construction Activity Coordination**  
**Activity Coordination - Caltrans (1 of 3)**

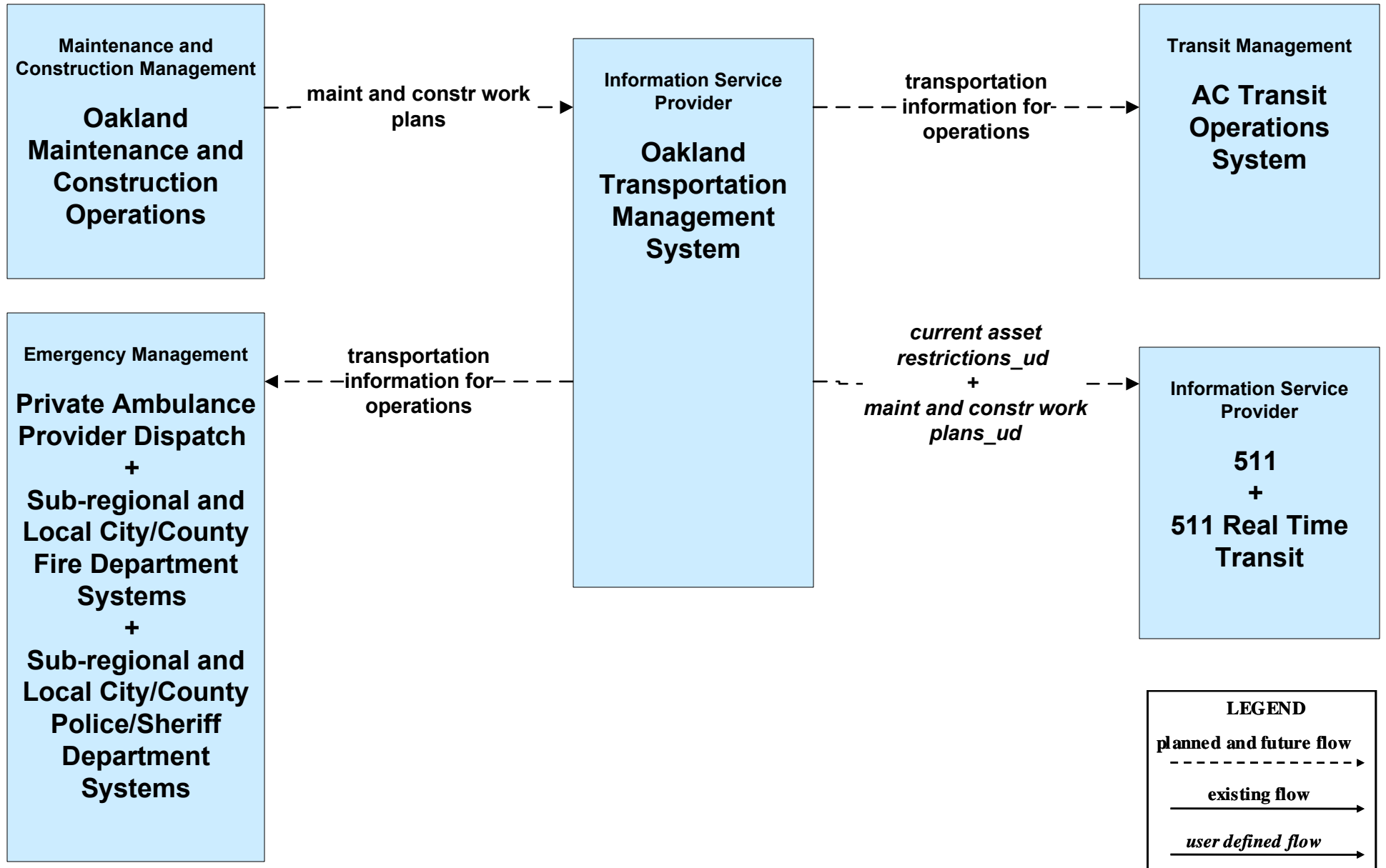


# MC10 - Maintenance and Construction Activity Coordination

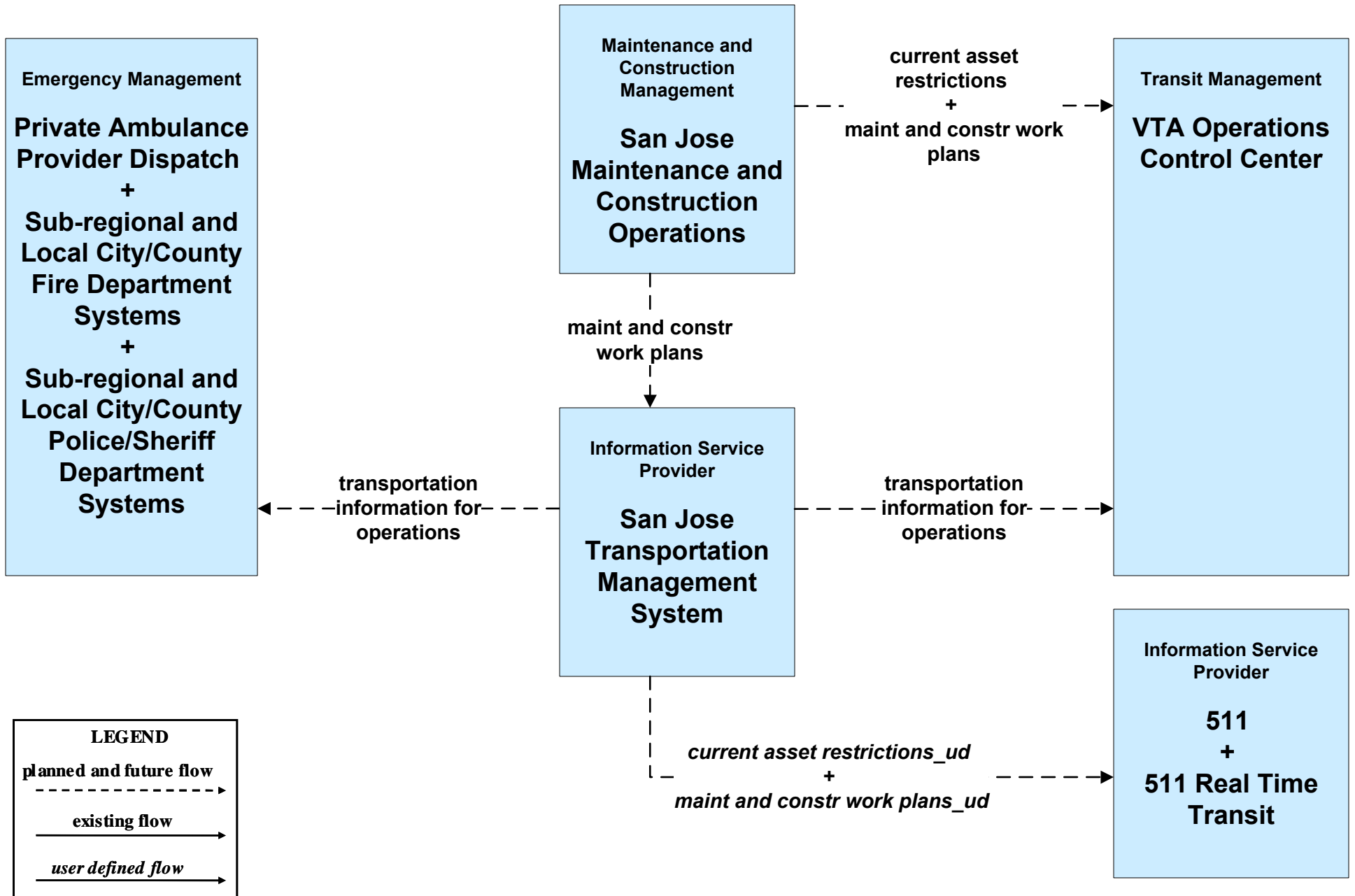
## Activity Coordination - MTC (3 of 3)



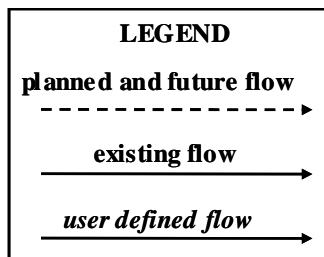
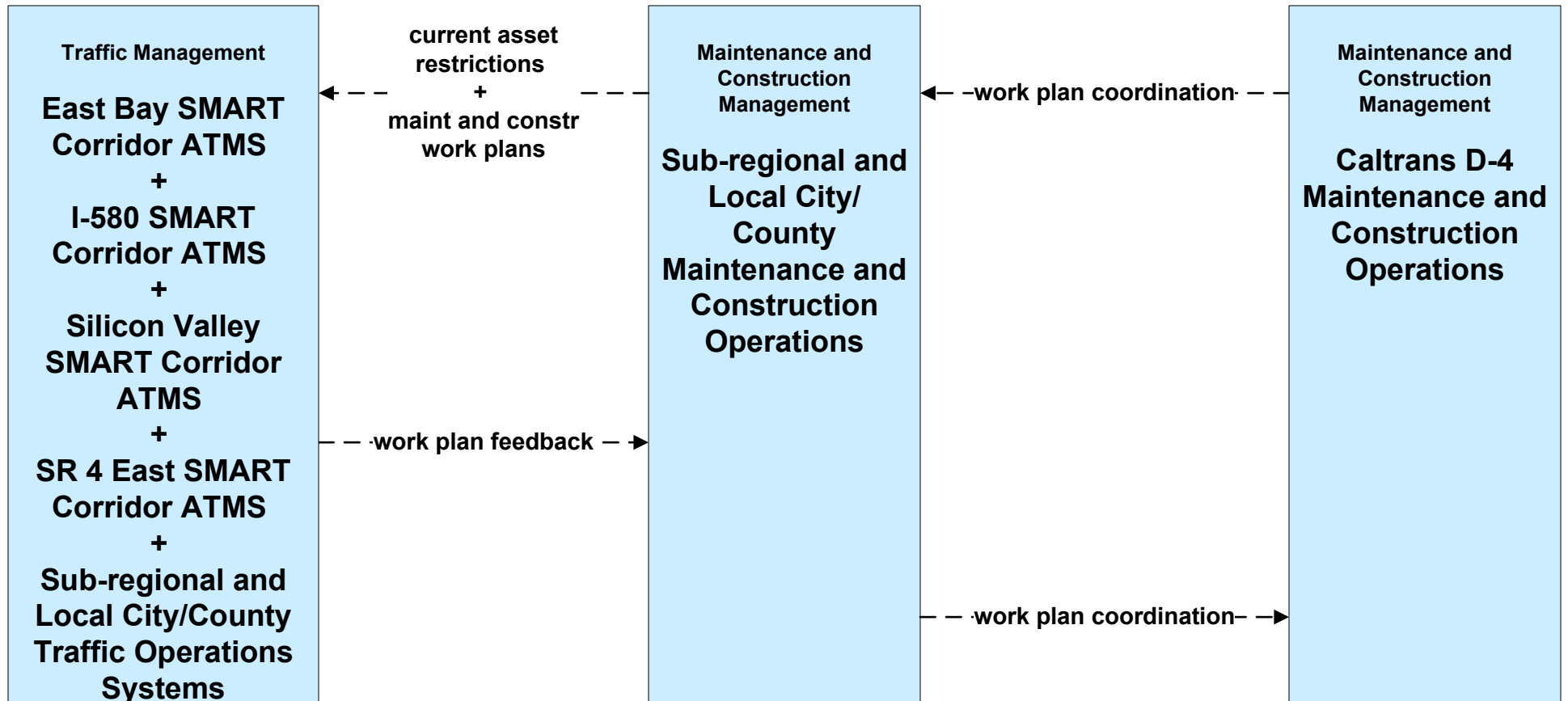
**MC10 - Maintenance and Construction Activity Coordination**  
**City of Oakland (2 of 2)**



**MC10 - Maintenance and Construction Activity Coordination**  
**City of San Jose (2 of 2)**



**MC10 - Maintenance and Construction Activity Coordination**  
**Local City/County (1 of 2)**





# MC10 - Maintenance and Construction Activity Coordination

## Local City/County (2 of 2)

